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台達 PLC/HMI 線材選型手冊

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版本修訂一覽表

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台達 PLC/HMI 線材選型手冊

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前言

台達 PLC/HMI 使用電纜選型手冊提供使用者在眾多的 PLC/HMI 通訊介面中，快速的獲得適合使用者應用的電纜資訊。本手冊將電纜分為四類 (PLC 編程及串列通訊連接電纜、I/O 模組連接電纜、運動控制電纜及網路通訊電纜) 依章節做詳細介紹。每一類的電纜所介紹的電纜型號及其描述也列於附錄 A- 電纜一覽表供使用者參考。

MEMO

第1章 PLC 編程及串列通訊連接電纜

目錄

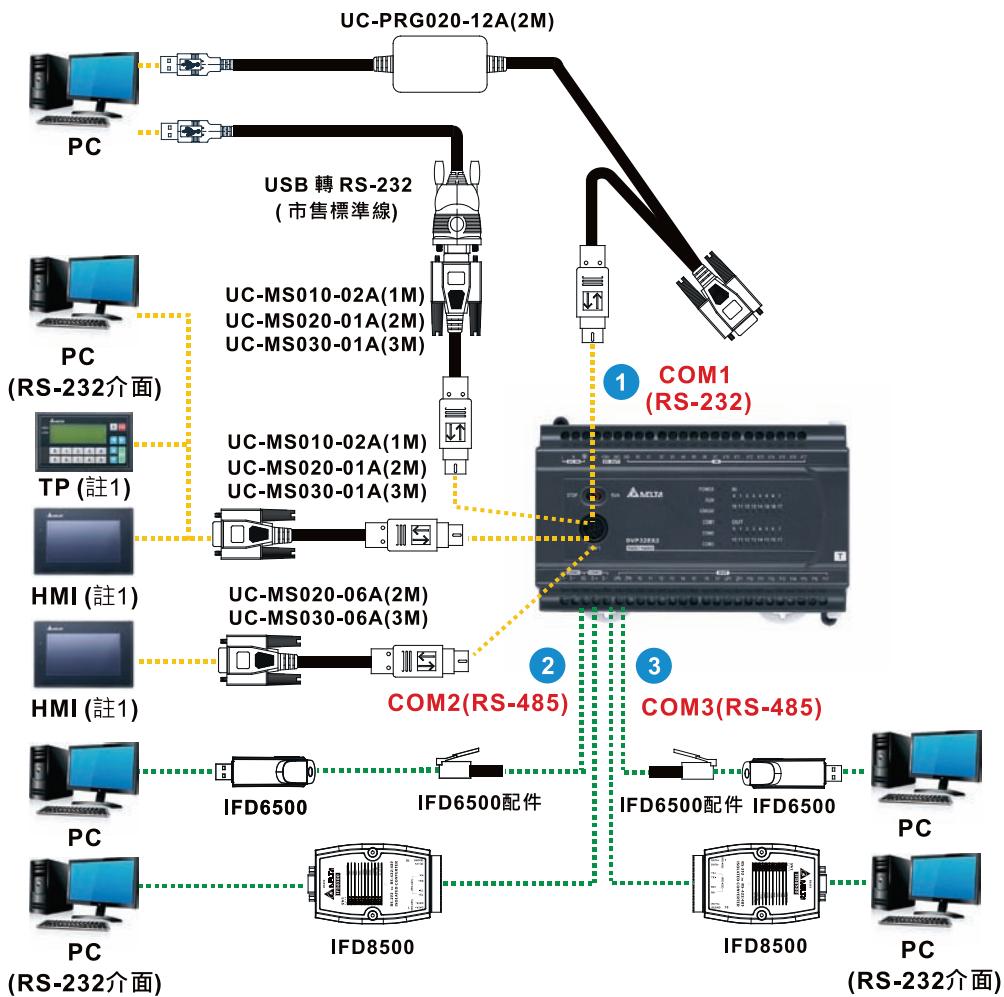
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1.1 DVP-ES2/EX2 系列

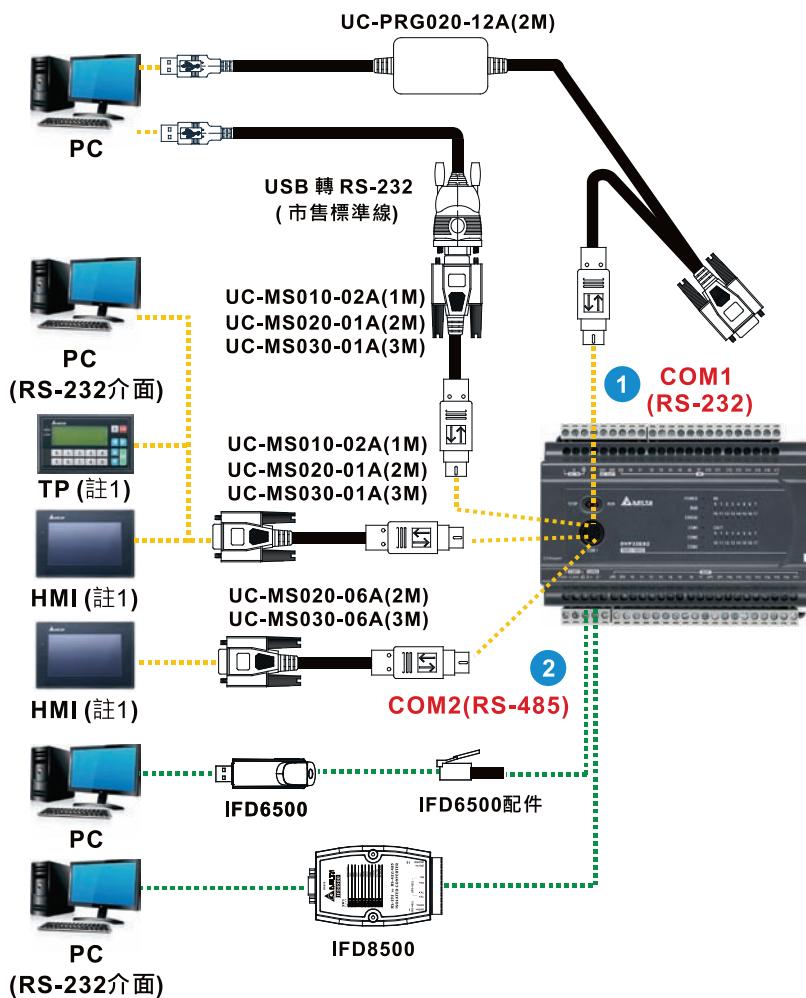
DVP-ES2/EX2 系列 (DVP16ES200R、DVP16ES200T、DVP20EX200R、DVP20EX200T、DVP24ES200R、DVP24ES200T、DVP30EX200R、DVP30EX200T、DVP32ES200R、DVP32ES200T、DVP32ES211T、DVP40ES200R、DVP40ES200RM、DVP40ES200T、DVP58ES200R、DVP58ES200T、DVP60ES200R、DVP60ES200T)



註 1：TP/HMI 機種詳細內容請參考第 1.16 節、第 1.17 節及第 1.18 節。

註 2：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

DVP-ES2 系列 (DVP32ES200RC、DVP32ES200TC)

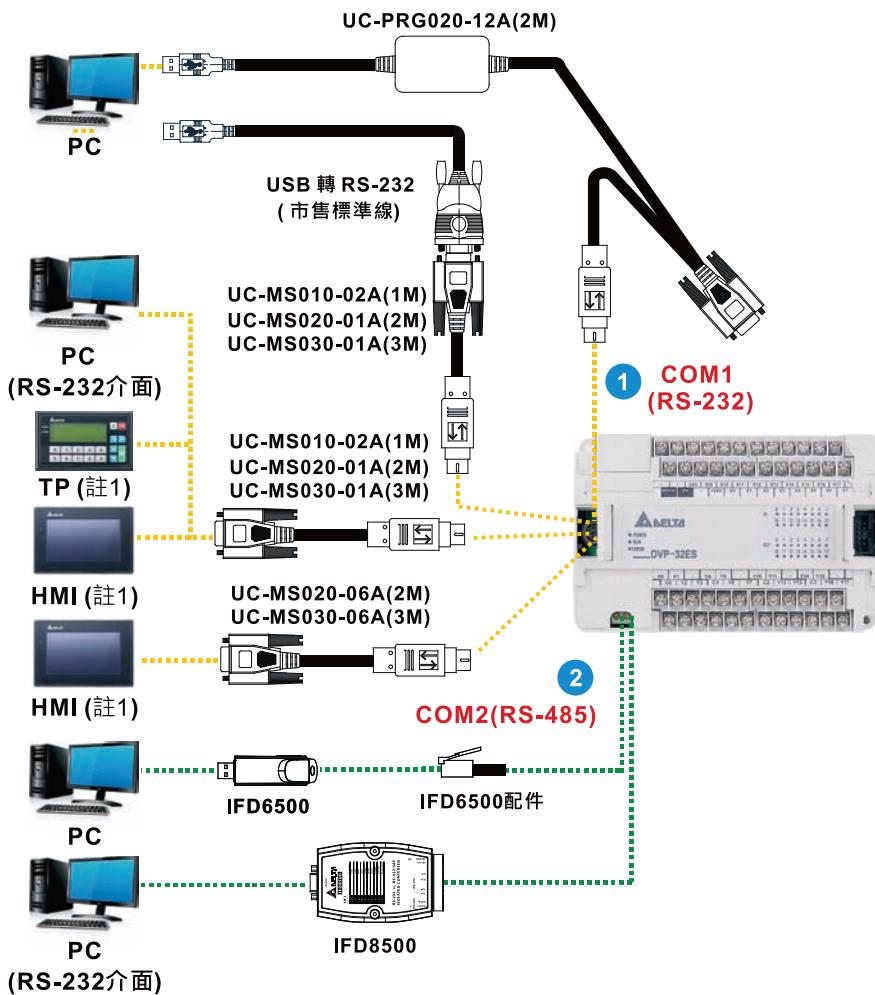


註 1：TP/HMI 機種詳細內容請參考第 1.16 節、第 1.17 節及第 1.18 節。

註 2：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.2 DVP-ES/EX 系列

DVP-ES/EX 系列 (DVP14ES00R2、DVP14ES00T2、DVP20EX00R2、DVP20EX00T2、DVP24ES00R2、DVP24ES00T2、DVP30ES00R2、DVP30ES00T2、DVP32ES00R2、DVP32ES00T2、DVP40ES00R2、DVP40ES00T2、DVP60ES00R2、DVP60ES00T2)

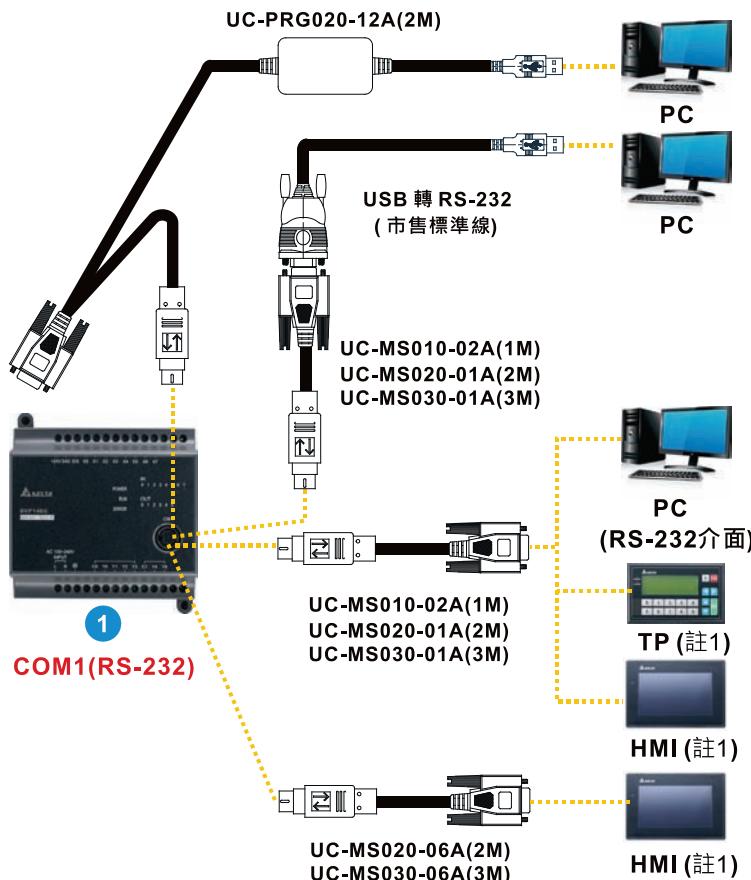


註 1：TP/HMI 機種詳細內容請參考第 1.16 節、第 1.17 節及第 1.18 節。

註 2：圖中的 **1** **2** **3** ... 等標號詳細說明請參考第 1.21 節。

1.3 DVP-EC3 系列

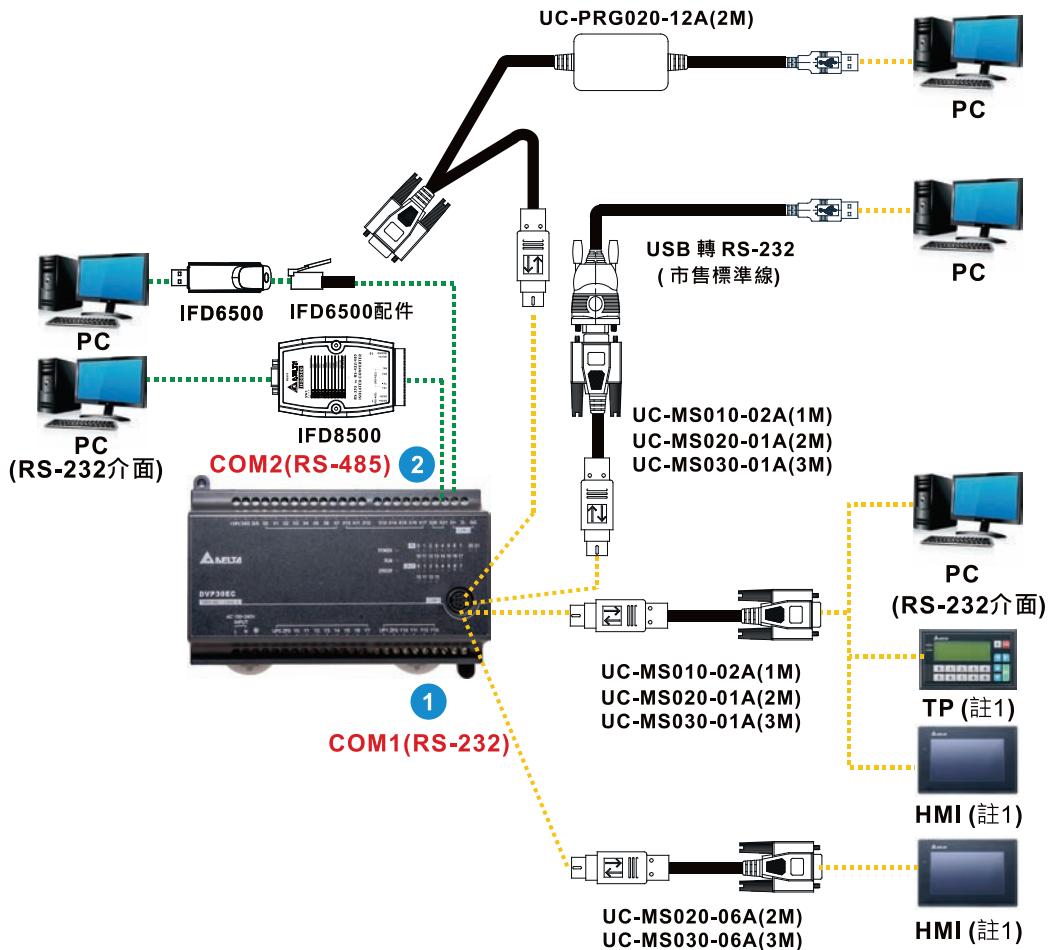
DVP-EC3 系列 (DVP10EC00R3、DVP10EC00T3、DVP14EC00R3、DVP14EC00T3)



註 1：TP/HMI 機種詳細內容請參考第 1.16 節、第 1.17 節及第 1.18 節。

註 2：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

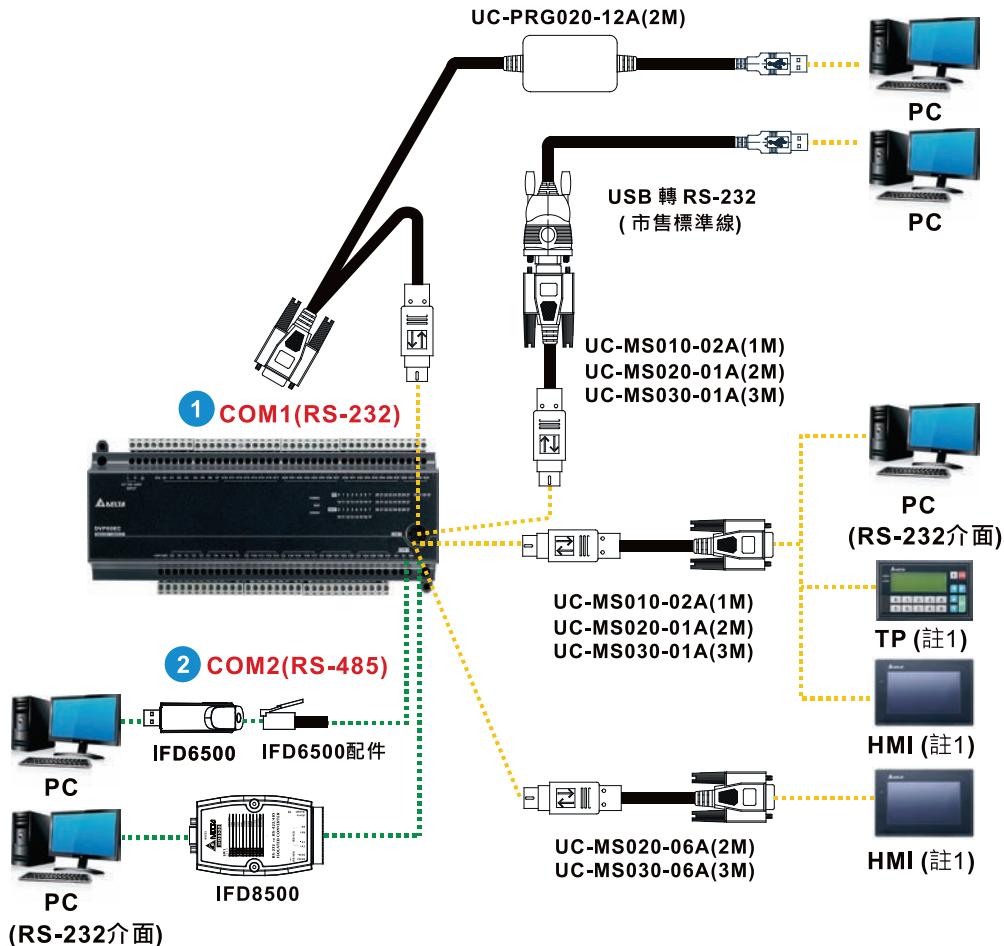
DVP-EC3 系列 (DVP16EC00R3、DVP16EC00T3、DVP20EC00R3、DVP20EC00T3、DVP24EC00R3、DVP24EC00T3、DVP30EC00R3、DVP30EC00T3、DVP32EC00R3、DVP32EC00T3)



註 1：TP/HMI 機種詳細內容請參考第 1.16 節、第 1.17 節及第 1.18 節。

註 2：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

DVP-EC3 系列 (DVP40EC00R3、DVP40EC00T3、DVP48EC00R3、DVP48EC00T3、DVP60EC00R3、DVP60EC00T3)

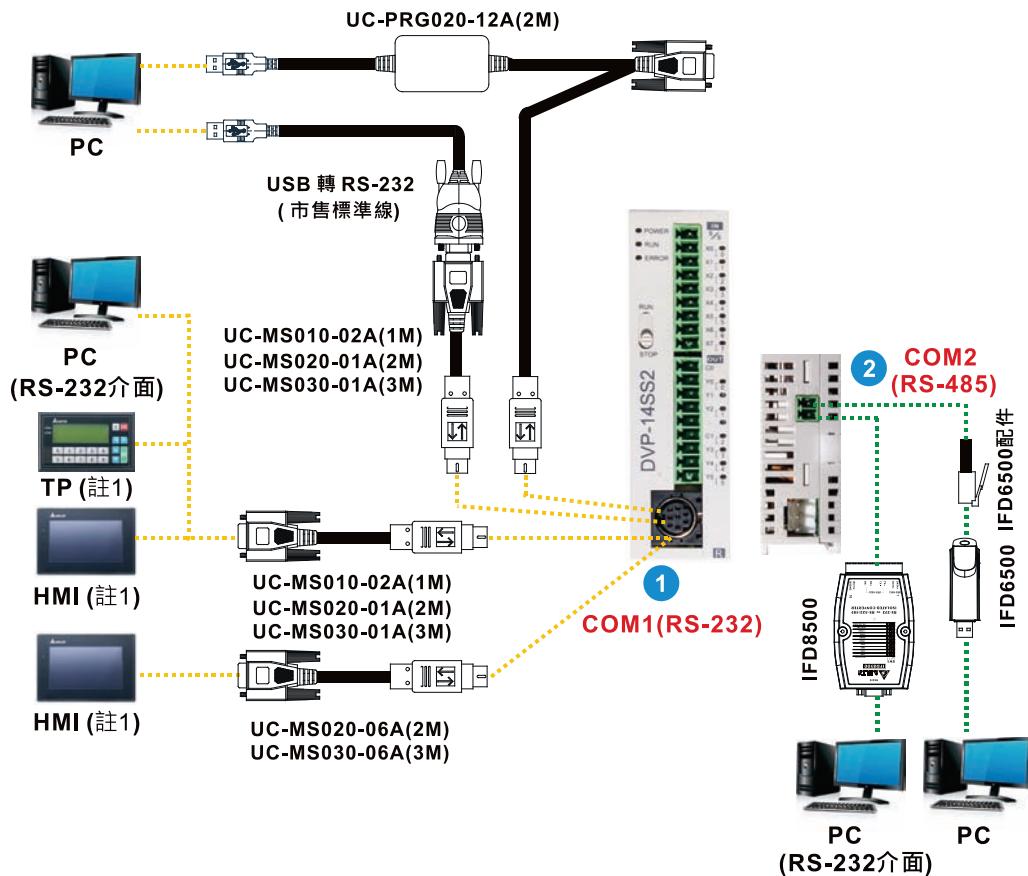


註 1：TP/HMI 機種詳細內容請參考第 1.16 節、第 1.17 節及第 1.18 節。

註 2：圖中的 **1** **2** **3** ...等標號詳細說明請參考第 1.21 節。

1.4 DVP-SS2 系列

DVP-SS2 系列 (DVP14SS211R、DVP14SS211T、DVP12SS211S)

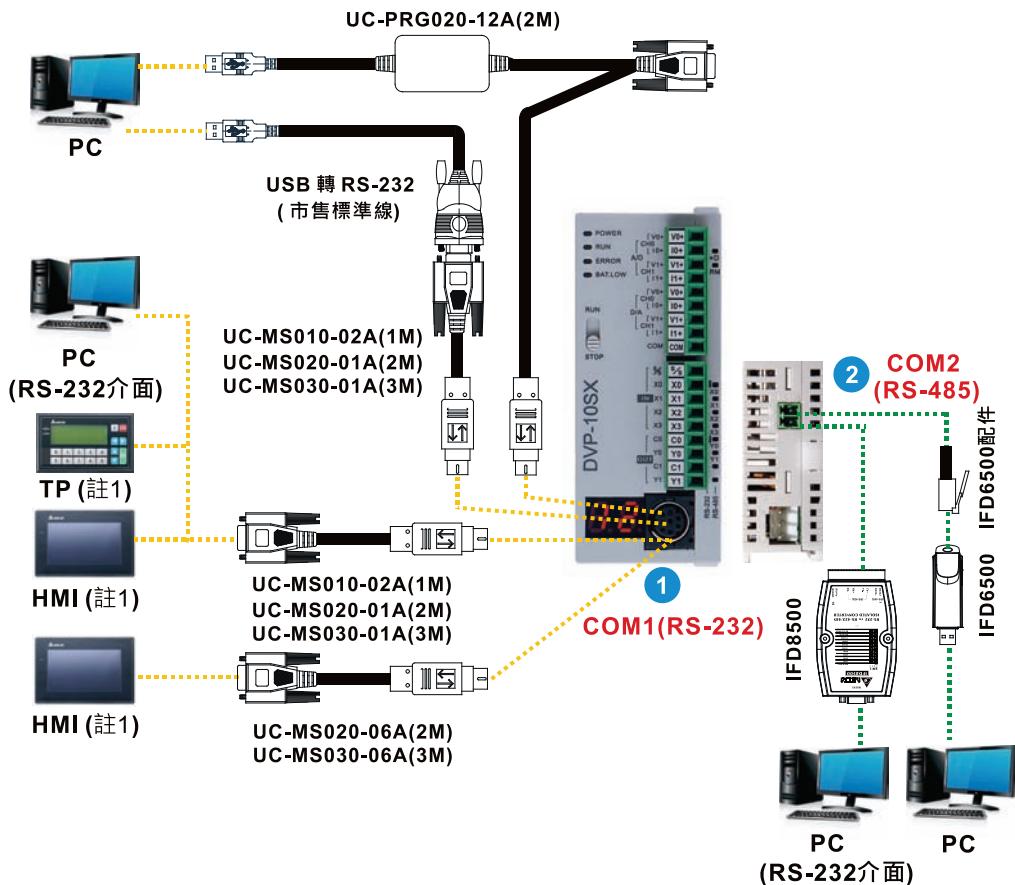


註 1：TP/HMI 機種詳細內容請參考第 1.16 節、第 1.17 節及第 1.18 節。

註 2：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.5 DVP-SX 系列

DVP-SX 系列 (DVP10SX11R、DVP10SX11T)



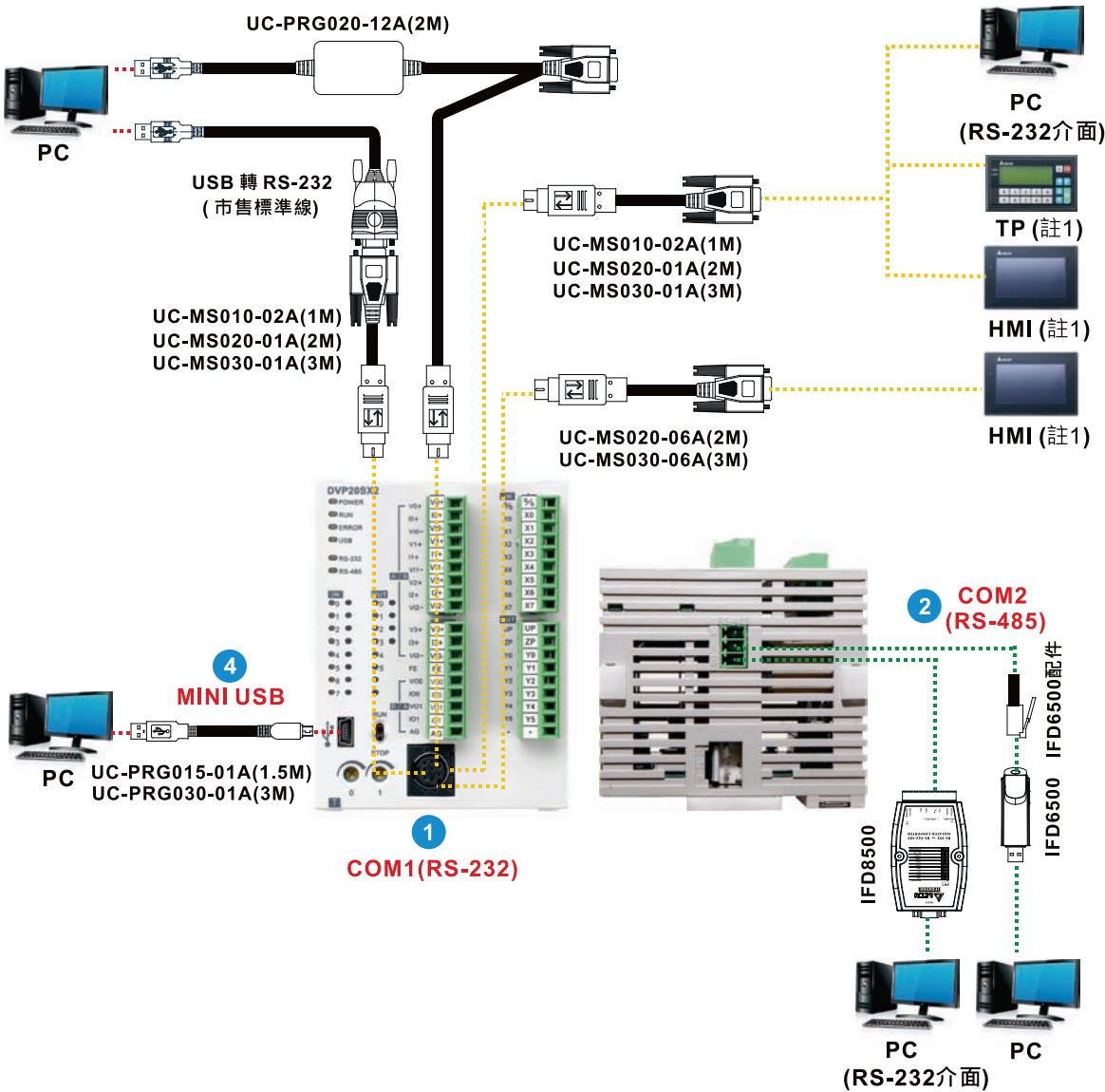
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註 2：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.6 DVP-SX2 系列

1.6.1 DVP-SX2 系列

適用機種：DVP20SX211R、DVP20SX211T、DVP20SX211S

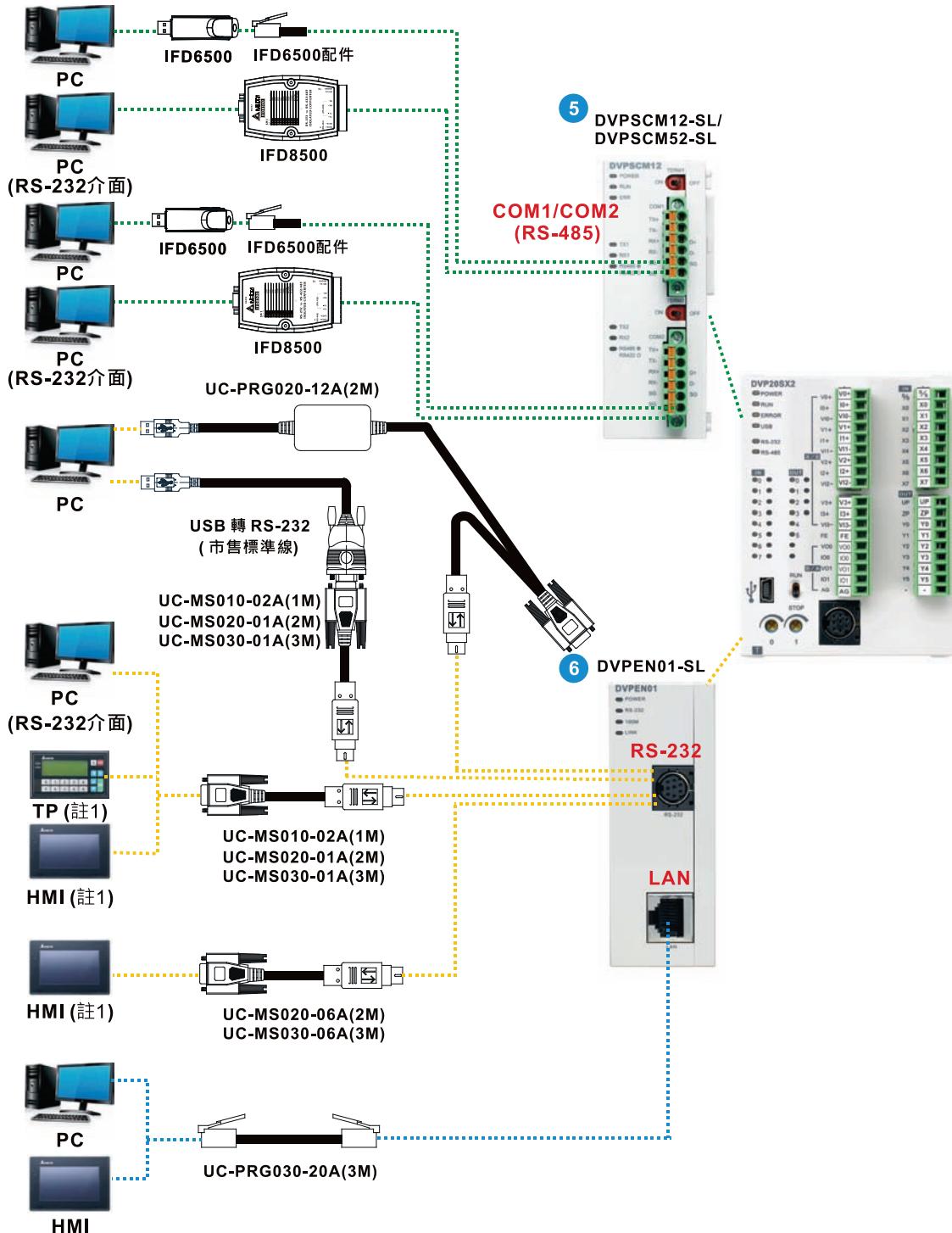


註 1：TP/HMI 機種詳細內容請參考第 1.16 節、第 1.17 節及第 1.18 節。

註 2：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.6.2 DVP-SX2 系列 (通訊模組)

適用機種：DVP20SX211R、DVP20SX211T、DVP20SX211S



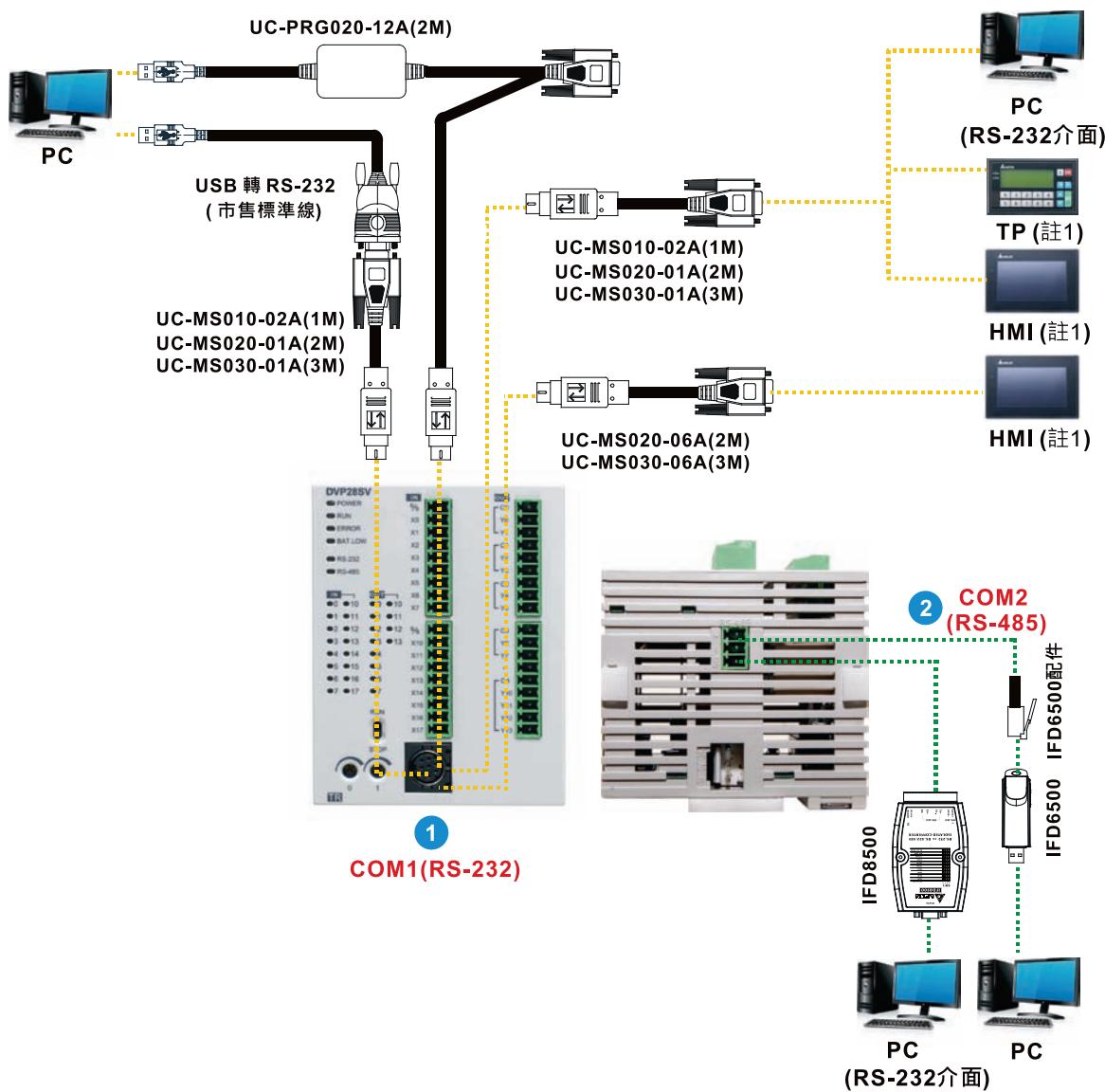
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註 2 : 圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.7 DVP-SV2 系列

1.7.1 DVP-SV2 系列

適用機種：DVP28SV11R2、DVP24SV11T2、DVP28SV11T2、DVP28SV11S2

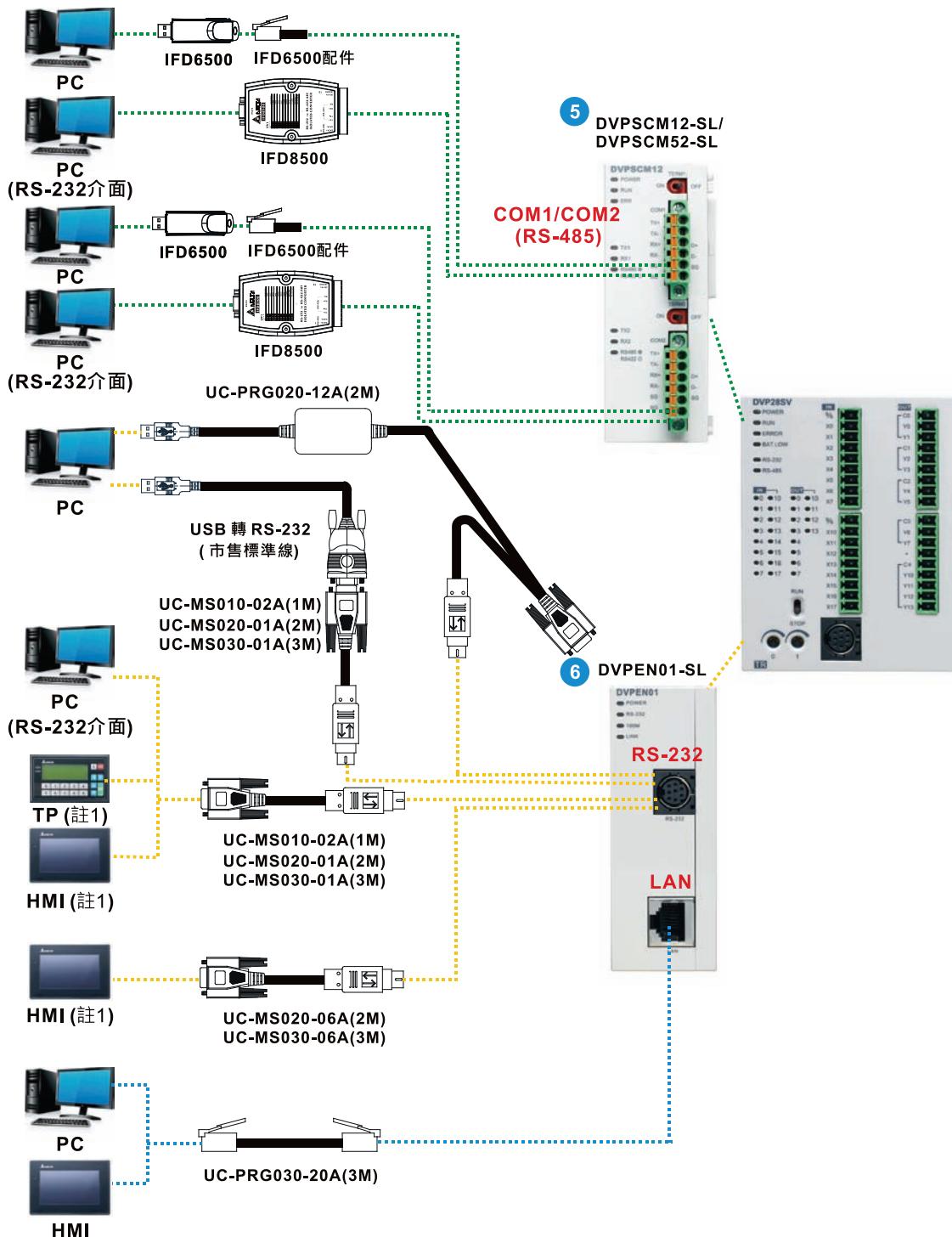


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註 2：圖中的 **1** **2** **3**...等標號詳細說明請參考第 1.21 節。

1.7.2 DVP-SV2 系列 (通訊模組)

適用機種：DVP28SV11R2、DVP24SV11T2、DVP28SV11T2、DVP28SV11S2



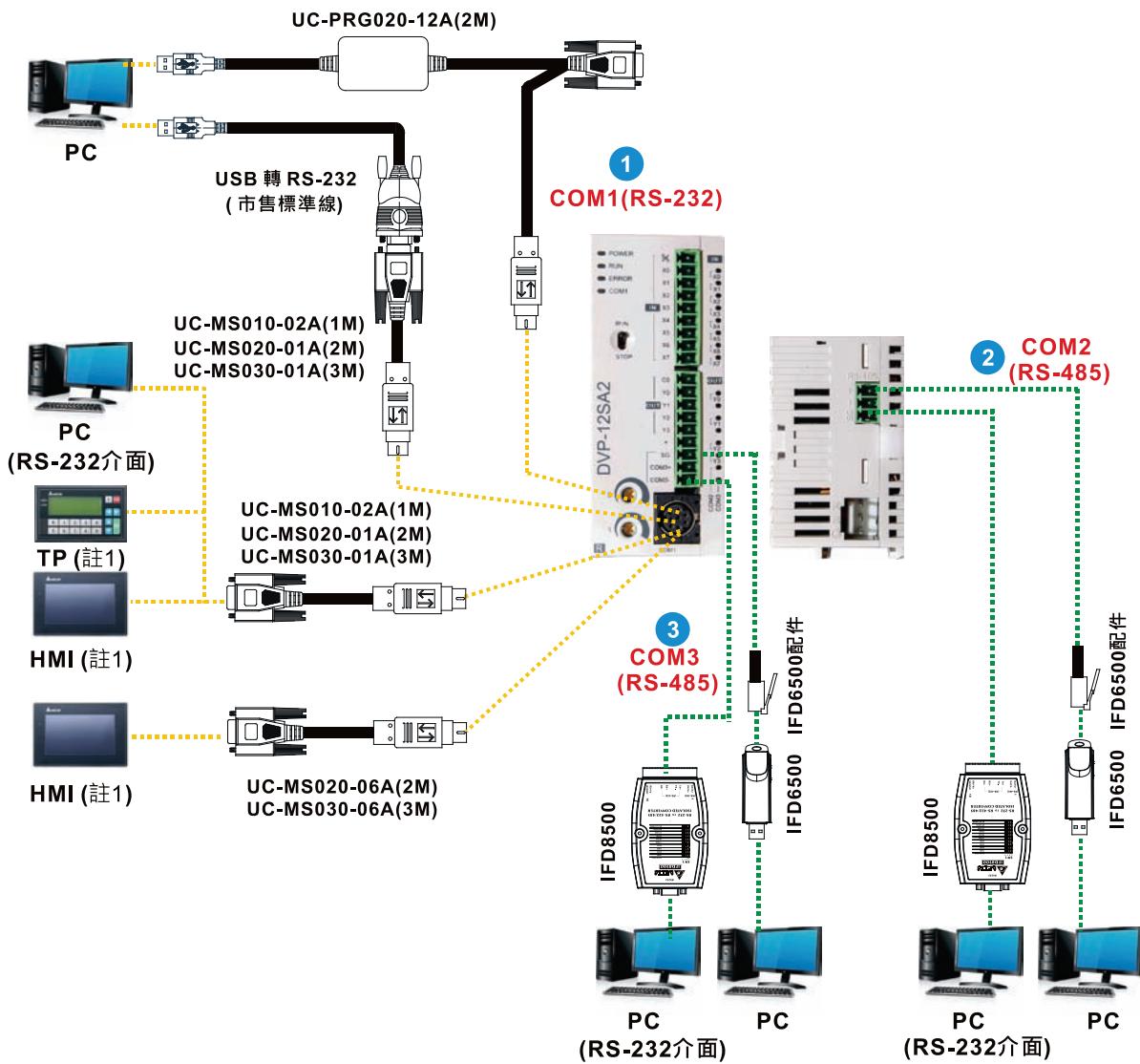
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註 2：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.8 DVP-SA2 系列

1.8.1 DVP-SA2 系列

適用機種：DVP12SA211R、DVP12SA211T

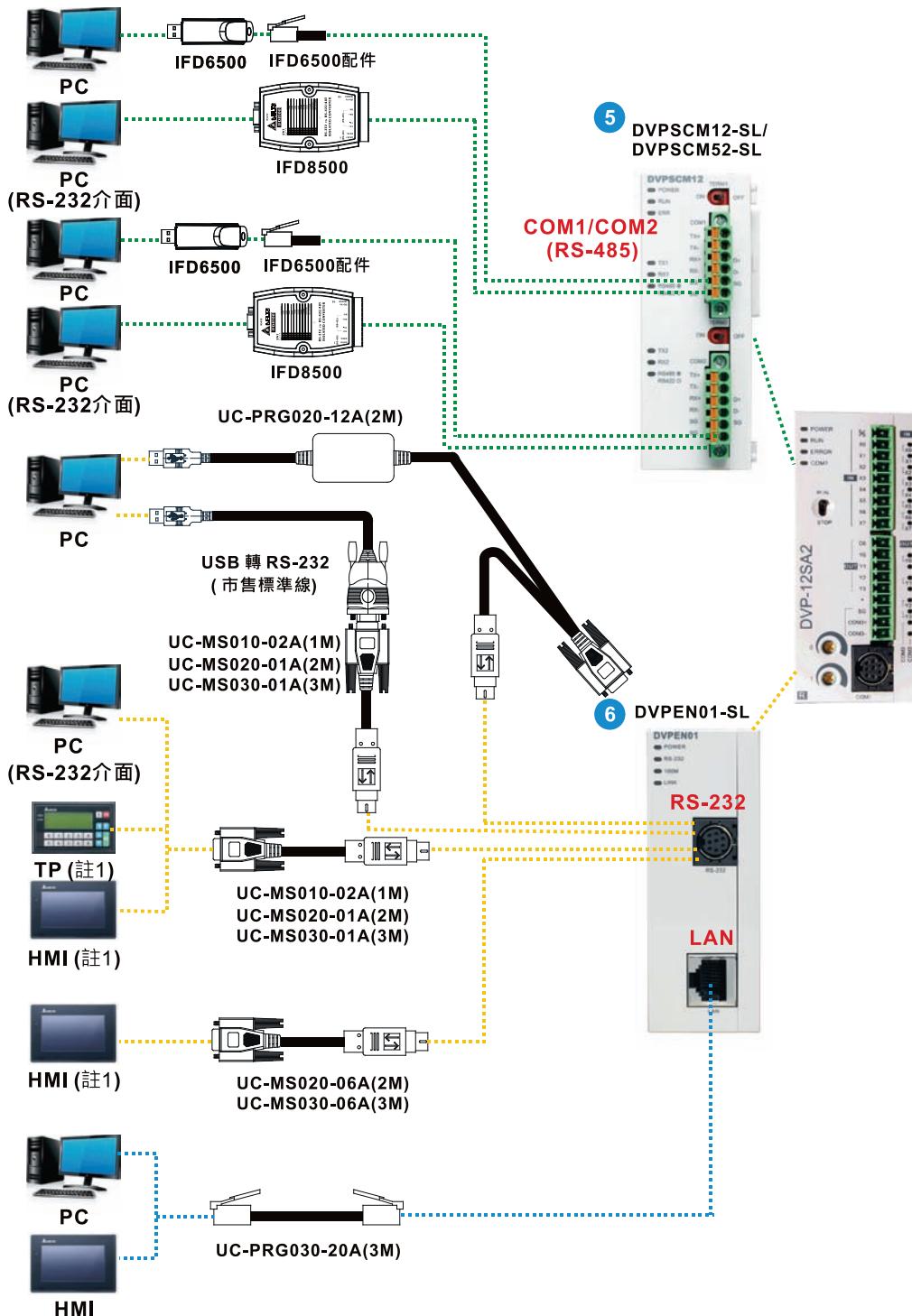


註 1：TP/HMI 機種詳細內容請參考第 1.16 節、第 1.17 節及第 1.18 節。

註 2：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.8.2 DVP-SA2 系列 (通訊模組)

適用機種：DVP12SA211R、DVP12SA211T



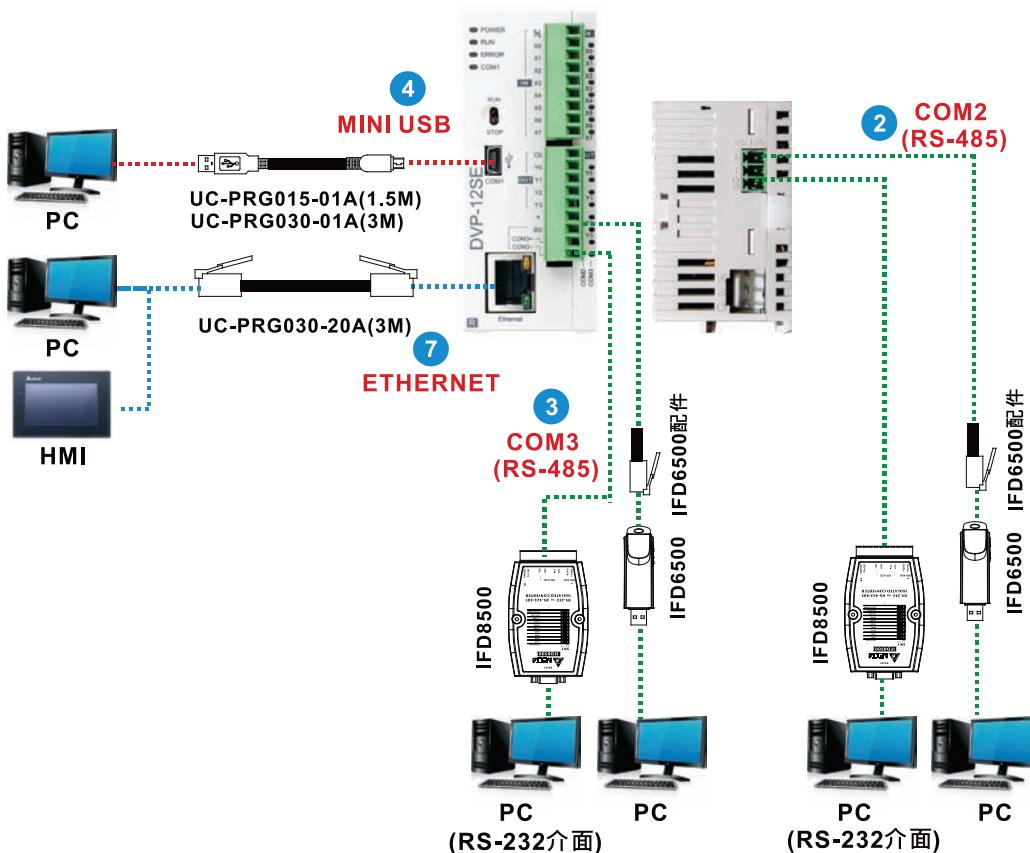
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註 2：圖中的 **1 2 3 ...** 等標號詳細說明請參考第 1.21 節。

1.9 DVP-SE 系列

1.9.1 DVP-SE 系列

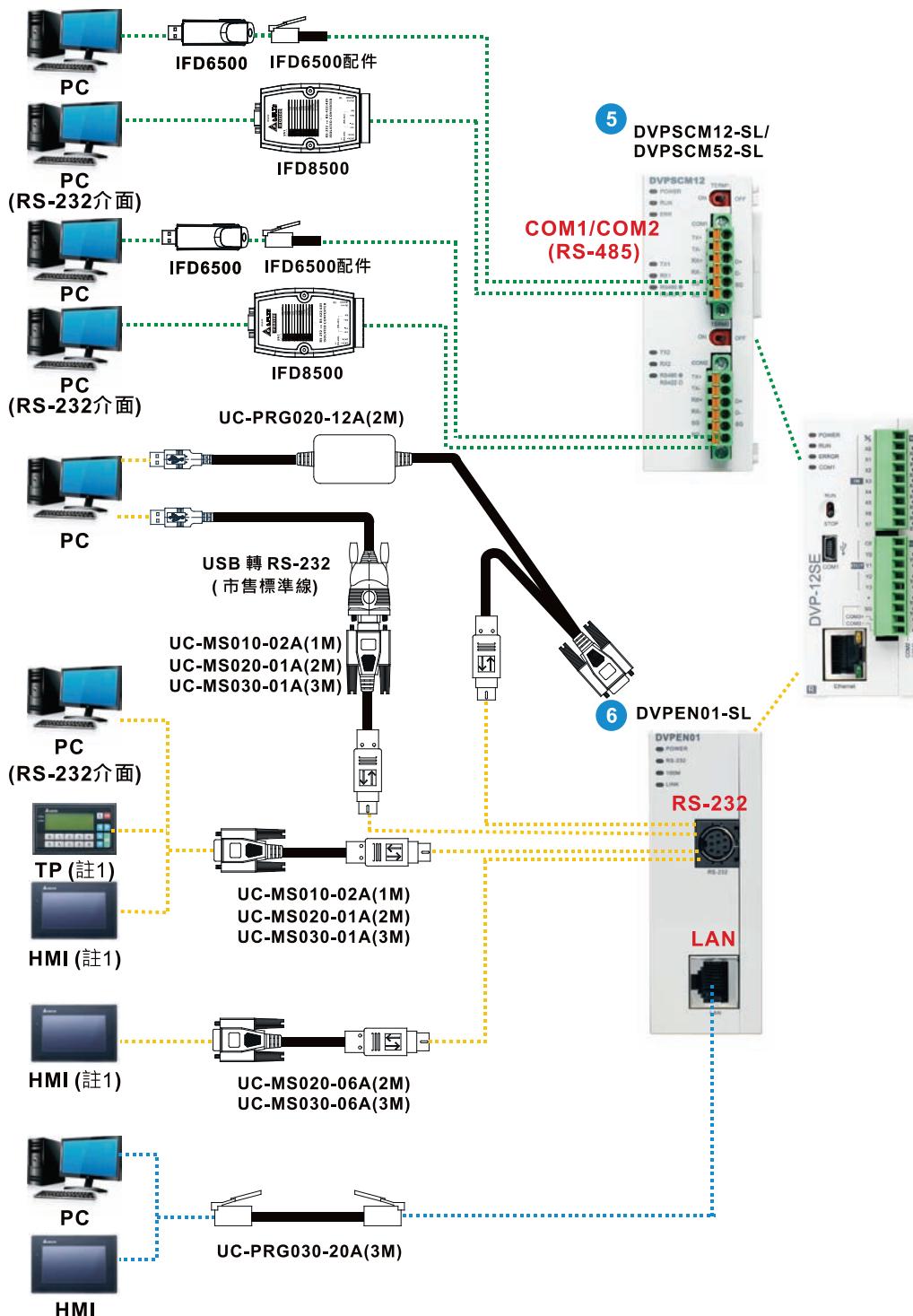
適用機種：DVP12SE11R、DVP12SE11T



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.9.2 DVP-SE 系列 (通訊模組)

適用機種：DVP12SE11R、DVP12SE11T



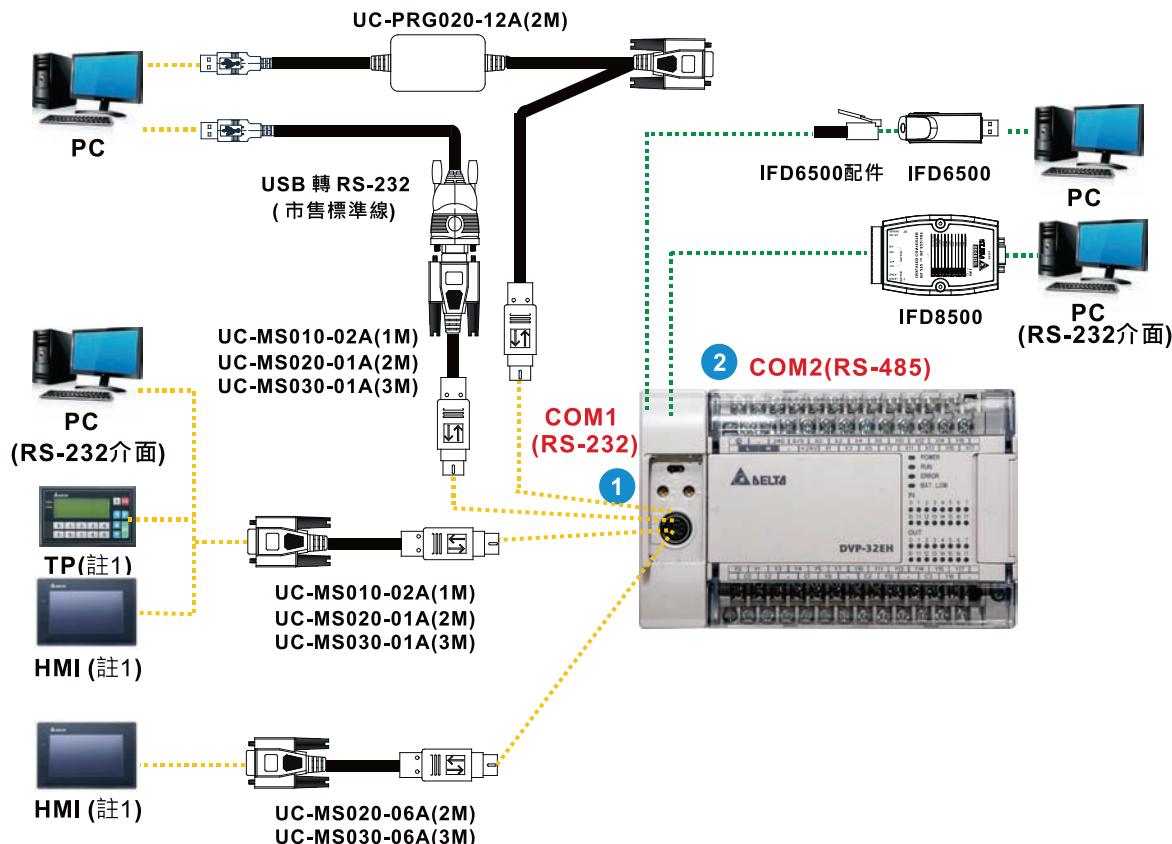
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註 2：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.10 DVP-EH3 系列

1.10.1 DVP-EH3 系列

適用機種：DVP16EH00R3、DVP16EH00T3、DVP20EH00R3、DVP20EH00T3、DVP32EH00M3、DVP32EH00R3、DVP32EH00R3-L、DVP32EH00T3、DVP32EH00T3-L、DVP40EH00R3、DVP40EH00T3、DVP48EH00R3、DVP48EH00T3、DVP64EH00R3、DVP64EH00T3、DVP80EH00R3、DVP80EH00T3

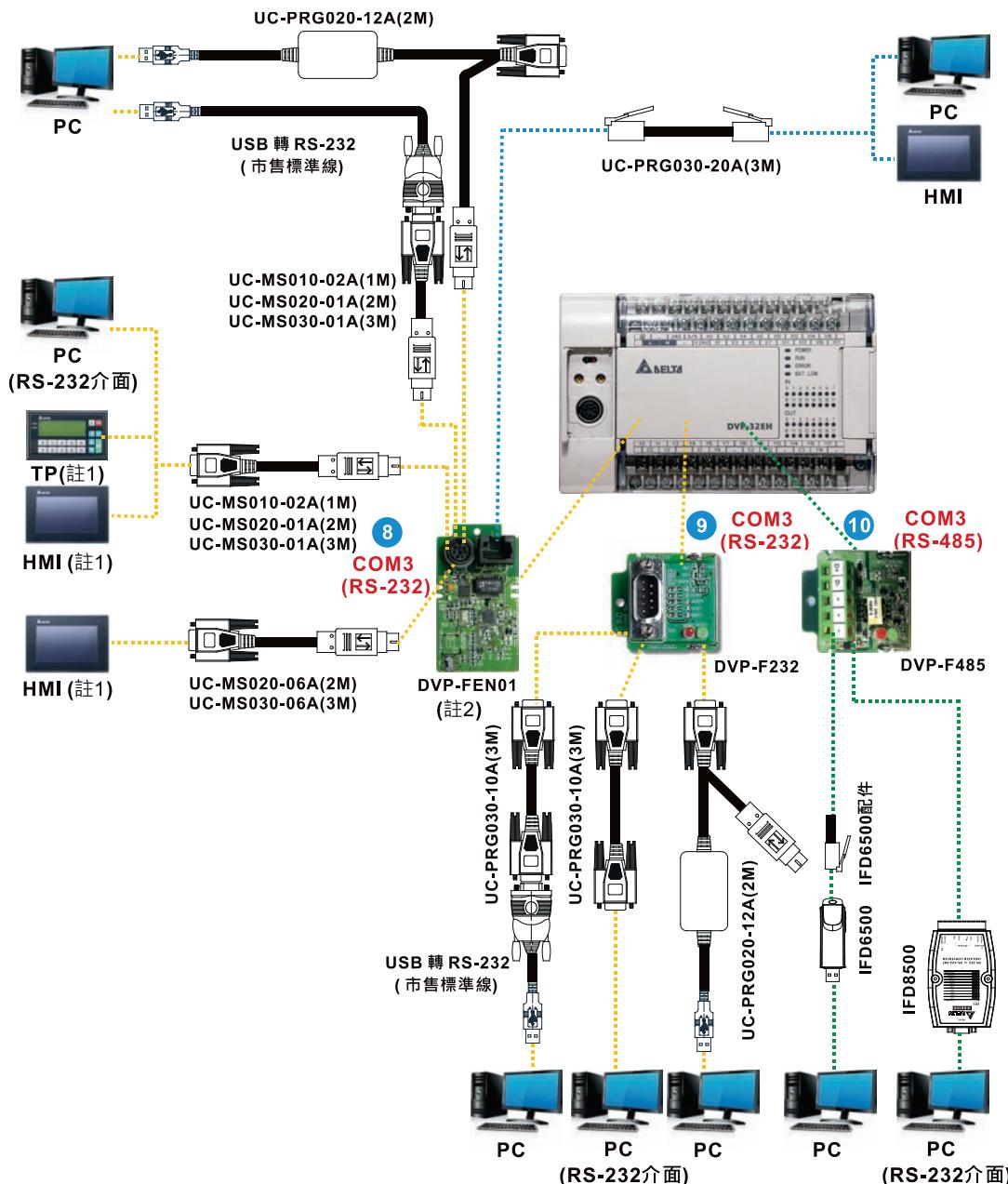


註 1：TP/HMI 機種詳細內容請參考第 1.16 節、第 1.17 節及第 1.18 節。

註 2：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.10.2 DVP-EH3 系列 (功能卡介面)

適用機種：DVP16EH00R3、DVP16EH00T3、DVP20EH00R3、DVP20EH00T3、DVP32EH00M3、
DVP32EH00R3、DVP32EH00R3-L、DVP32EH00T3、DVP32EH00T3-L、DVP40EH00R3、DVP40EH00T3、
DVP48EH00R3、DVP48EH00T3、DVP64EH00R3、DVP64EH00T3、DVP80EH00R3、DVP80EH00T3



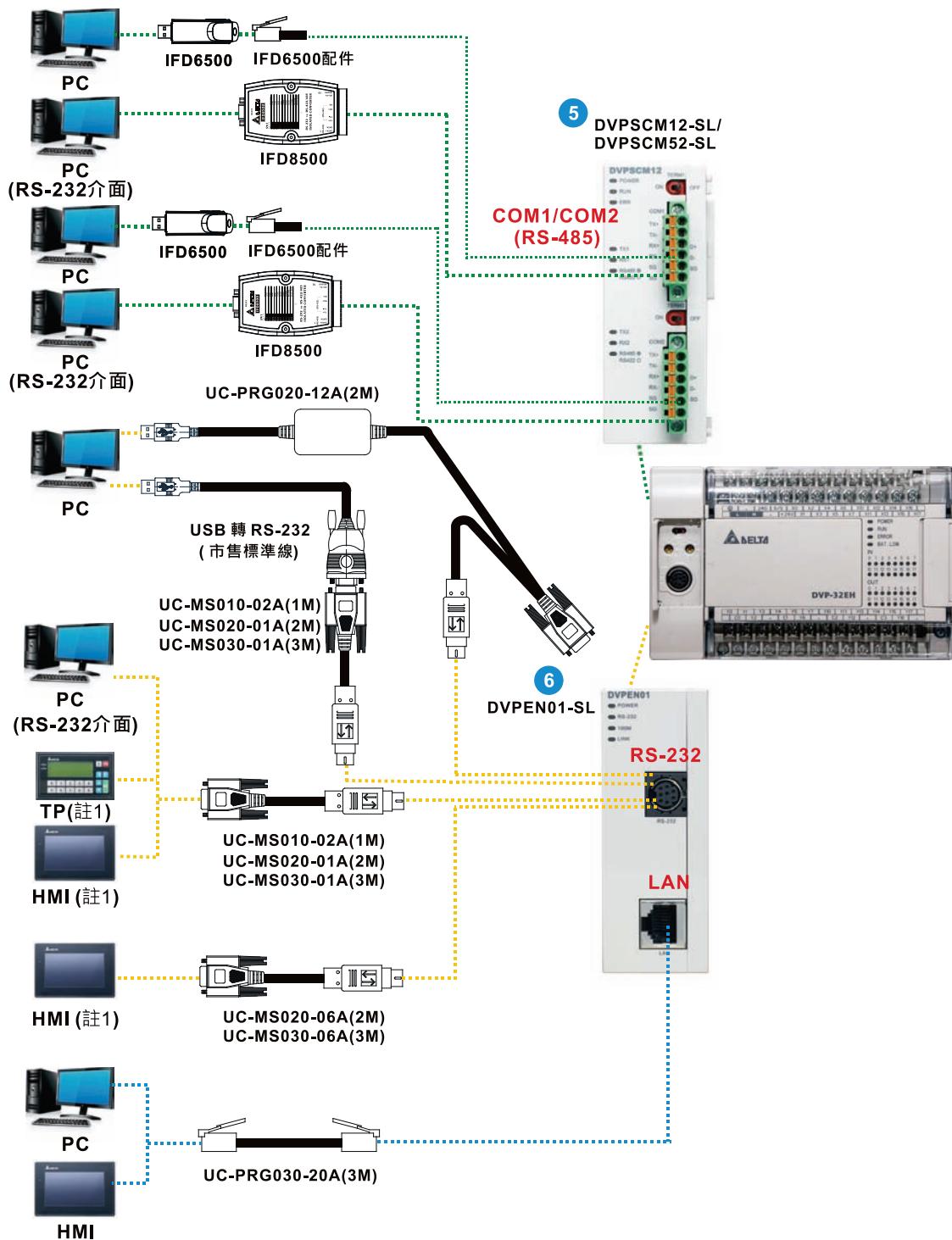
註 1：TP/HMI 機種詳細內容請參考第 1.16 節、第 1.17 節及第 1.18 節。

註 2：DVP-FEN01 通訊卡適用機種為 DVP32EH00M3、DVP32EH00R3、DVP32EH00R3-L、DVP32EH00T3、
DVP32EH00T3-L、DVP40EH00R3、DVP40EH00T3、DVP48EH00R3、DVP48EH00T3、
DVP64EH00R3、DVP64EH00T3、DVP80EH00R3、DVP80EH00T3

註 3：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.10.3 DVP-EH3 系列 (通訊模組)

適用機種：DVP32EH00R3-L、DVP32EH00T3-L



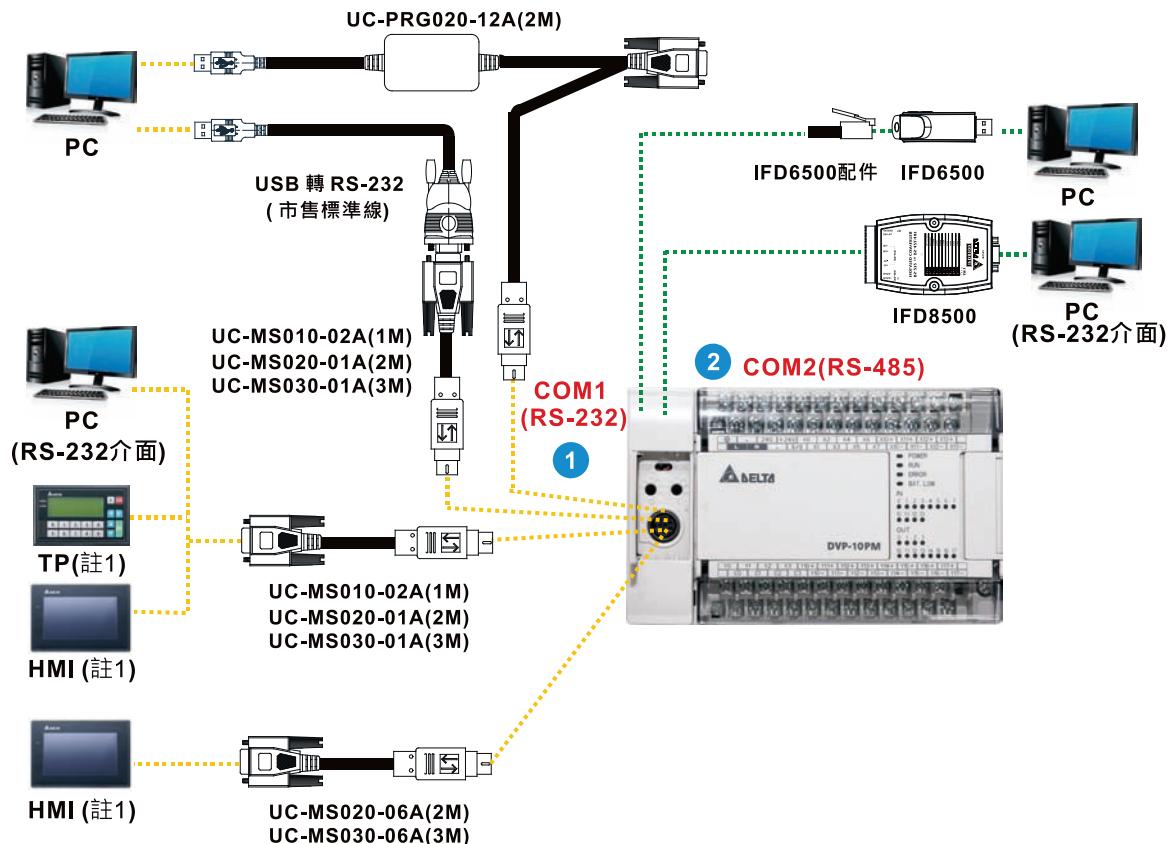
註 1：TP/HMI 機種詳細內容請參考第 1.16 節、第 1.17 節及第 1.18 節。

註 2：圖中的 **1** **2** **3** ... 等標號詳細說明請參考第 1.21 節。

1.11 DVP-PM 系列

1.11.1 DVP-PM 系列

適用機種：DVP10PM00M、DVP20PM00D、DVP20PM00M

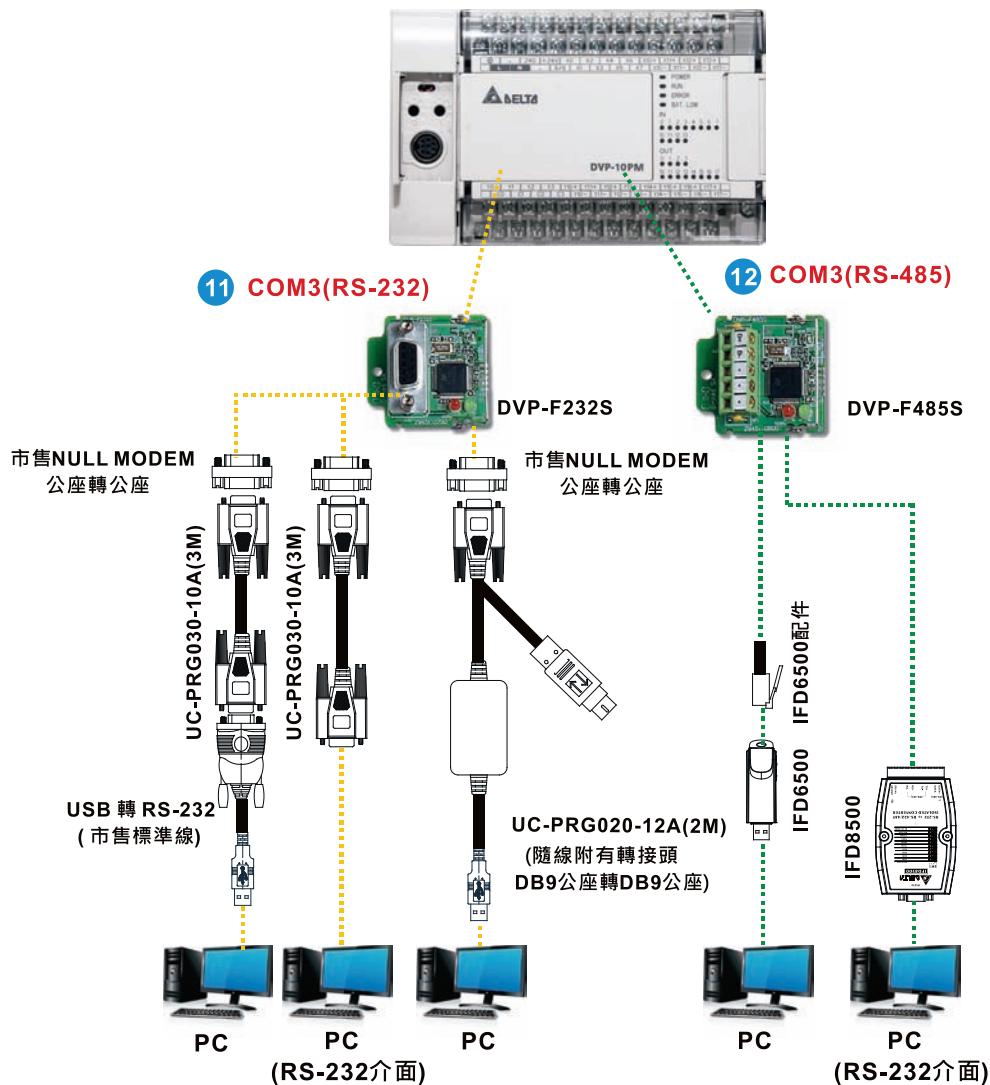


註 1：TP/HMI 機種詳細內容請參考第 1.16 節、第 1.17 節及第 1.18 節。

註 2：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.11.2 DVP-PM 系列 (功能卡介面)

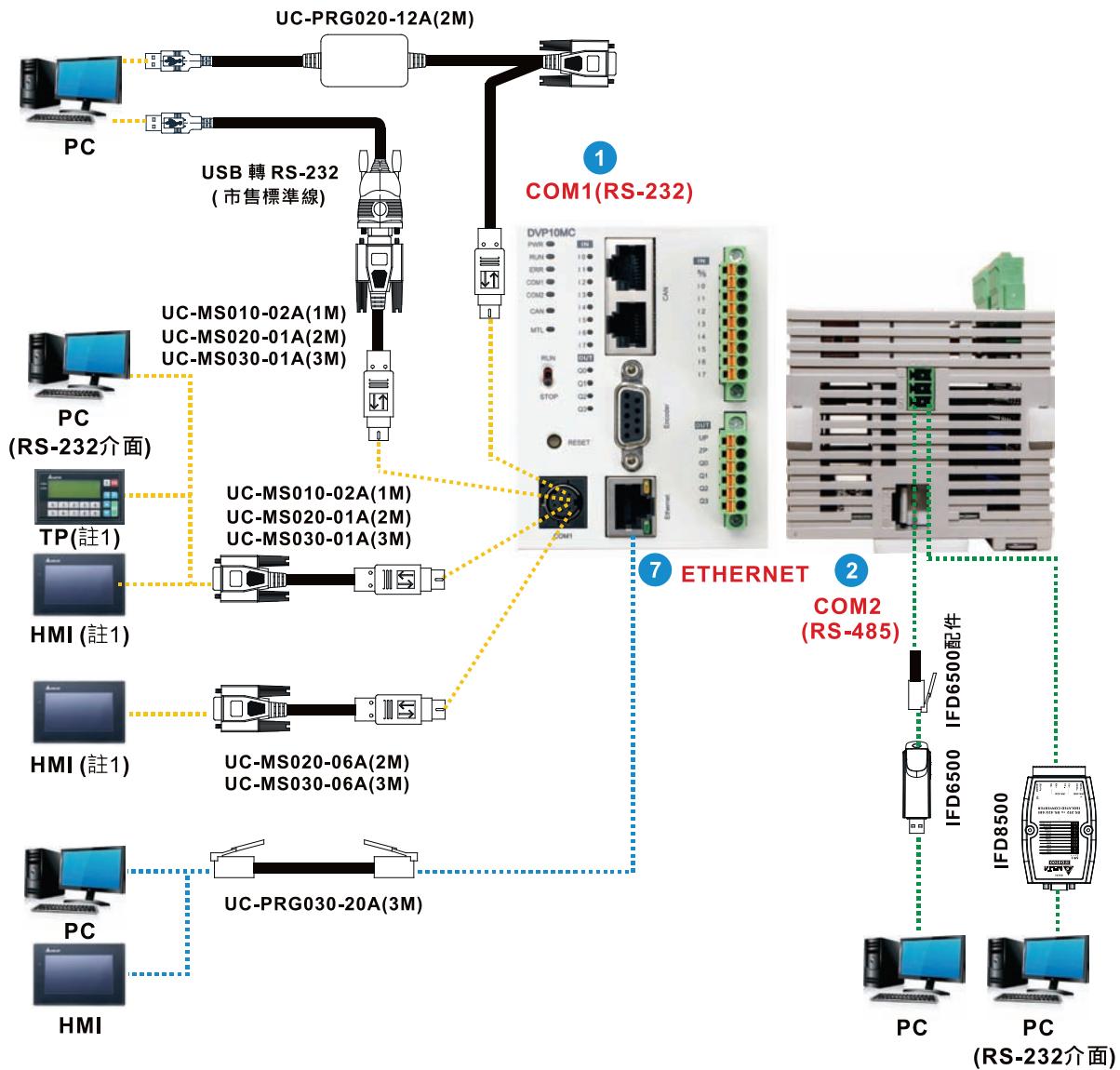
適用機種：DVP10PM00M、DVP20PM00D、DVP20PM00M



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.12 DVP-MC 系列

DVP-MC 系列 (DVP10MC11T)



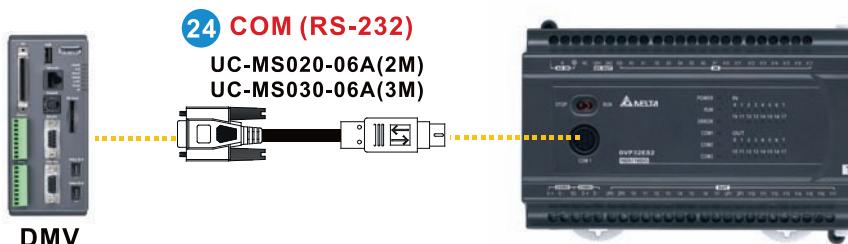
註 1：TP/HMI 機種詳細內容請參考第 1.16 節、第 1.17 節及第 1.18 節。

註 2：圖中的 **1** **2** **3** ...等標號詳細說明請參考第 1.21 節。

1.13 DVP 系列與台達機器視覺系統

DVP 系列適用機種如下：

- **DVP-ES2/EX2 系列** (DVP16ES200R、DVP16ES200T、DVP20EX200R、DVP20EX200T、DVP24ES200R、DVP24ES200T、DVP30EX200R、DVP30EX200T、DVP32ES200R、DVP32ES200T、DVP32ES211T、DVP40ES200R、DVP40ES200RM、DVP40ES200T、DVP58ES200R、DVP58ES200T、DVP60ES200R、DVP60ES200T、DVP32ES200RC、DVP32ES200TC)
- **DVP-SS2 系列** (DVP14SS211R、DVP14SS211T、DVP12SS211S)
- **DVP-SX2 系列** (DVP20SX211R、DVP20SX211T、DVP20SX211S)
- **DVP-SV2 系列** (DVP28SV11R2、DVP24SV11T2、DVP28SV11T2、DVP28SV11S2)
- **DVP-SA2 系列** (DVP12SA211R、DVP12SA211T)
- **DVP-EH3 系列** (DVP16EH00R3、DVP16EH00T3、DVP20EH00R3、DVP20EH00T3、DVP32EH00M3、DVP32EH00R3、DVP32EH00R3-L、DVP32EH00T3、DVP32EH00T3-L、DVP40EH00R3、DVP40EH00T3、DVP48EH00R3、DVP48EH00T3、DVP64EH00R3、DVP64EH00T3、DVP80EH00R3、DVP80EH00T3)

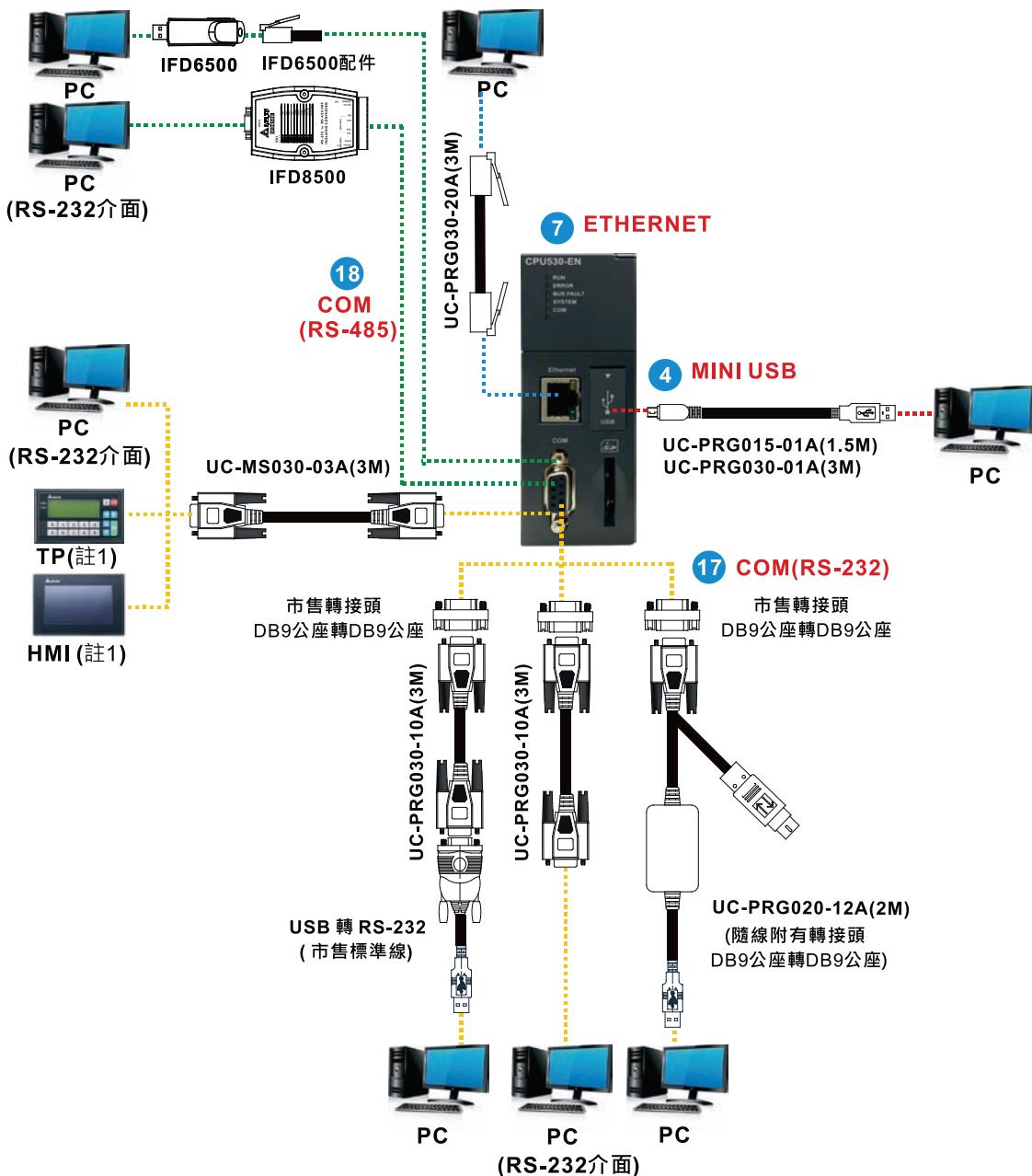


註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.14 AH500 系列

1.14.1 CPU (AHCPU5XX-EN)

適用機種：AHCPU500-EN、AHCPU510-EN、AHCPU511-EN、AHCPU520-EN、AHCPU521-EN、AHCPU530-EN、AHCPU531-EN

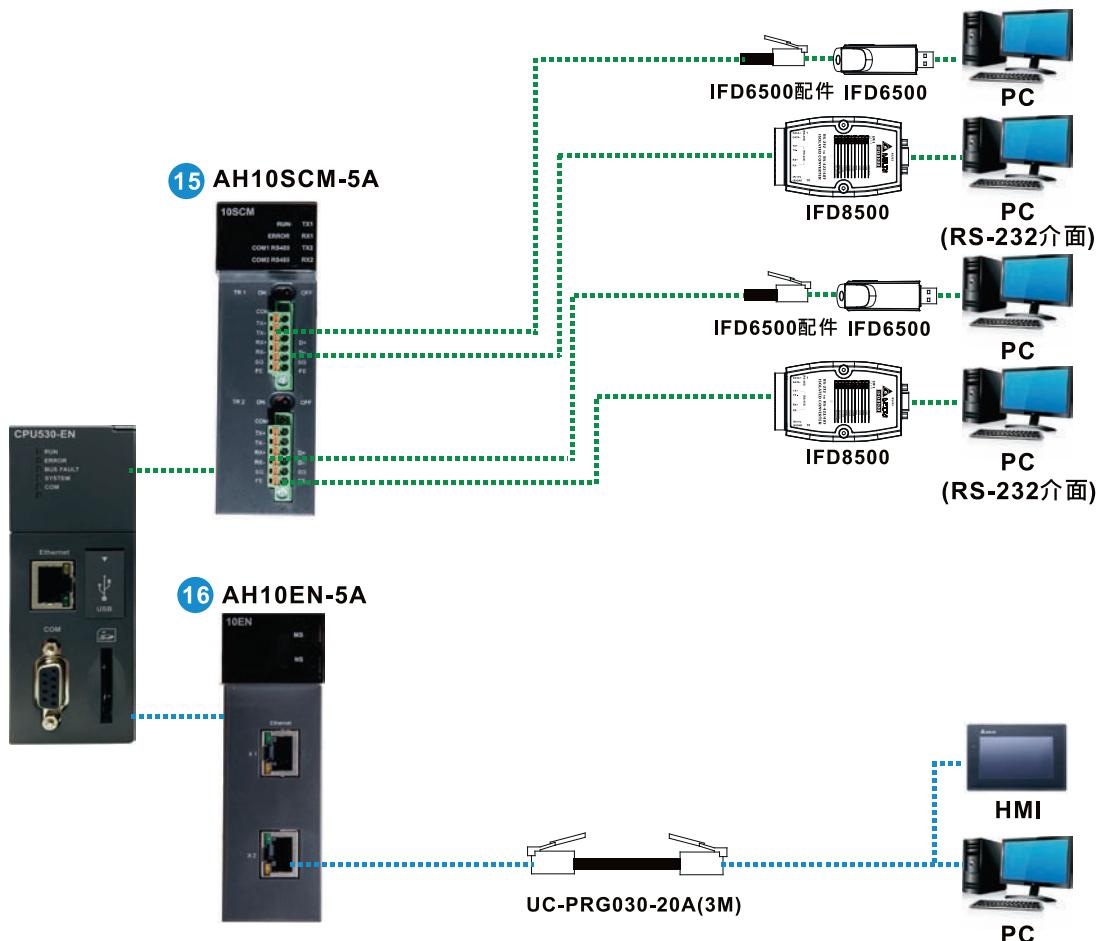


註 1：TP/HMI 機種詳細內容請參考第 1.16 節、第 1.17 節及第 1.18 節。

註 2：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.14.2 通訊模組 (AHCPU5XX-EN)

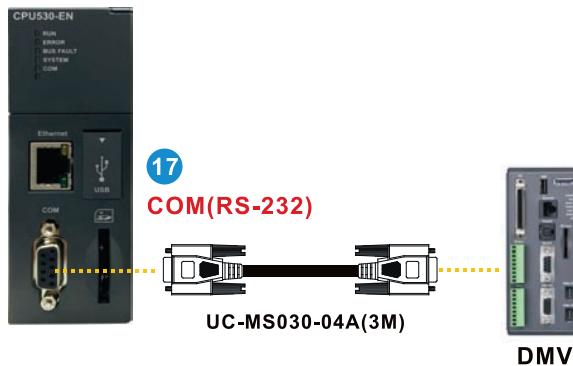
適用機種：AHCPU500-EN、AHCPU510-EN、AHCPU511-EN、AHCPU520-EN、AHCPU521-EN、AHCPU530-EN、AHCPU531-EN



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.14.3 AH500 系列 (AHCPU5XX-EN) 與台達機器視覺系統

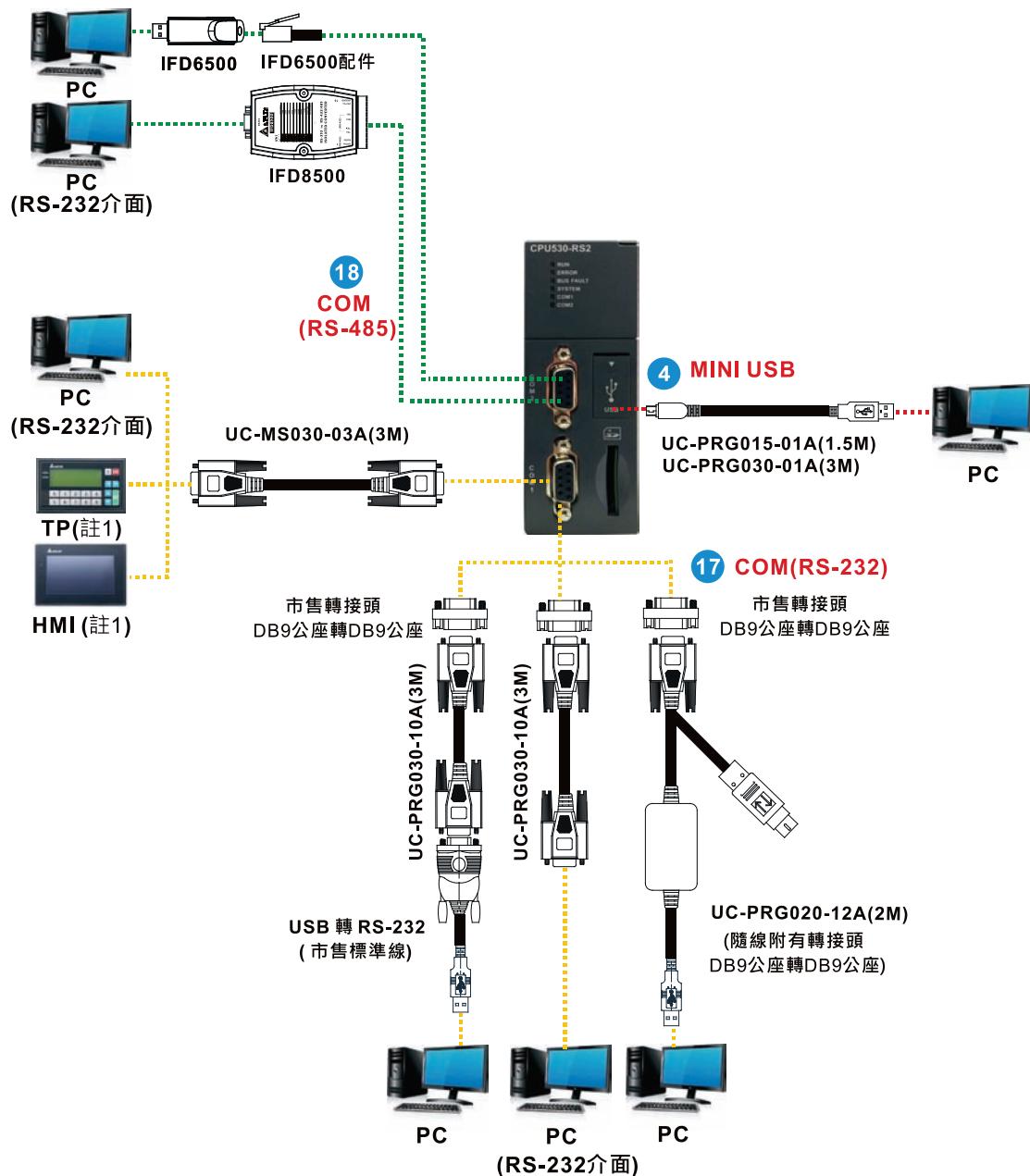
適用機種：AHCPU500-EN、AHCPU510-EN、AHCPU511-EN、AHCPU520-EN、AHCPU521-EN、AHCPU530-EN、AHCPU531-EN



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.14.4 CPU (AHCPU5XX-RS2)

適用機種：AHCPU500-RS2、AHCPU510-RS2、AHCPU511-RS2、AHCPU520-RS2、AHCPU530-RS2

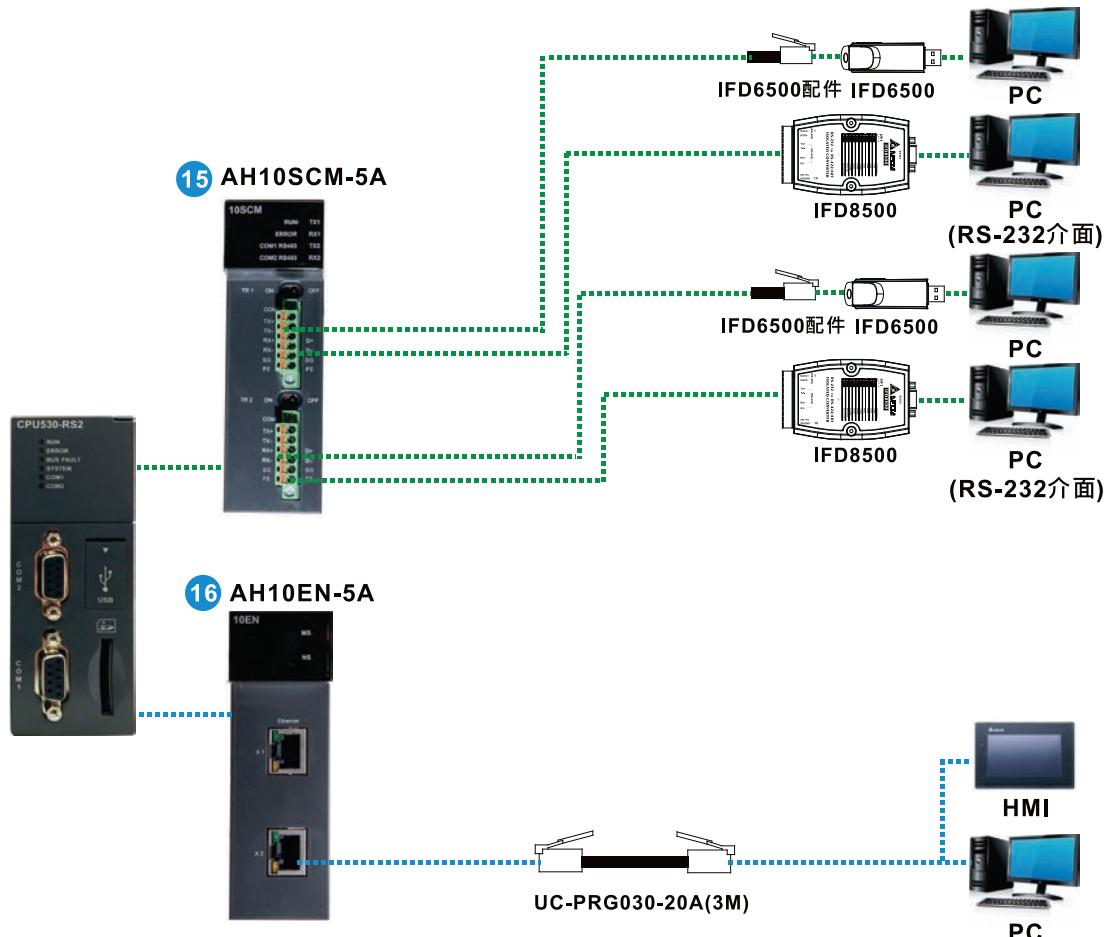


註 1：TP/HMI 機種詳細內容請參考第 1.16 節、第 1.17 節及第 1.18 節。

註 2：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.14.5 通訊模組 (AHCPU5XX-RS2)

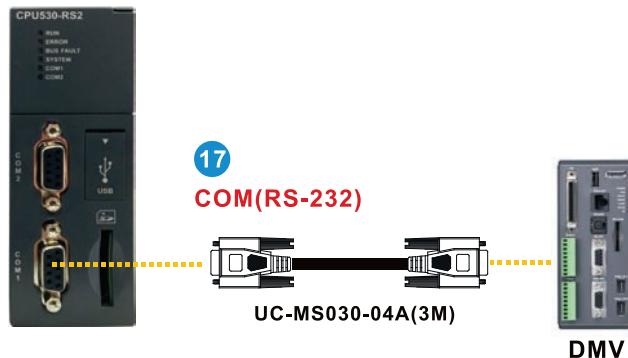
適用機種：AHCPU500-RS2、AHCPU510-RS2、AHCPU511-RS2、AHCPU520-RS2、AHCPU530-RS2



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.14.6 AH500 系列 (AHCPU5XX-RS2) 與台達機器視覺系統

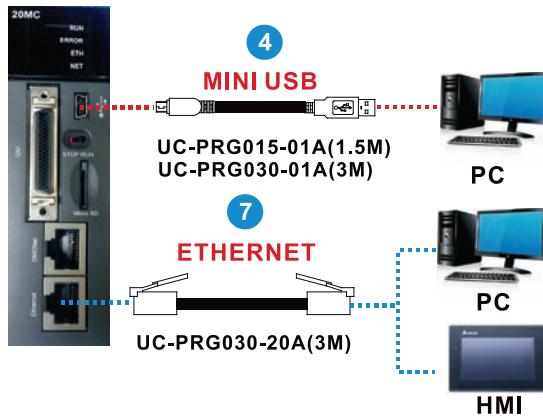
適用機種：AHCPU500-RS2、AHCPU510-RS2、AHCPU511-RS2、AHCPU520-RS2、AHCPU530-RS2



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

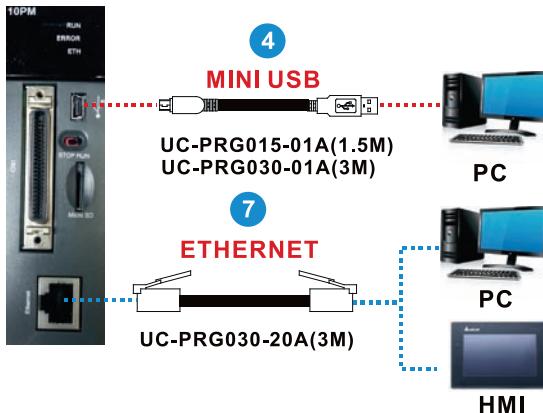
1.14.7 運動控制模組

- 網路型 (AH20MC-5A/AH10EMC-5A 機種)



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

- 脈波型 (AH10PM-5A/AH15PM-5A 機種)

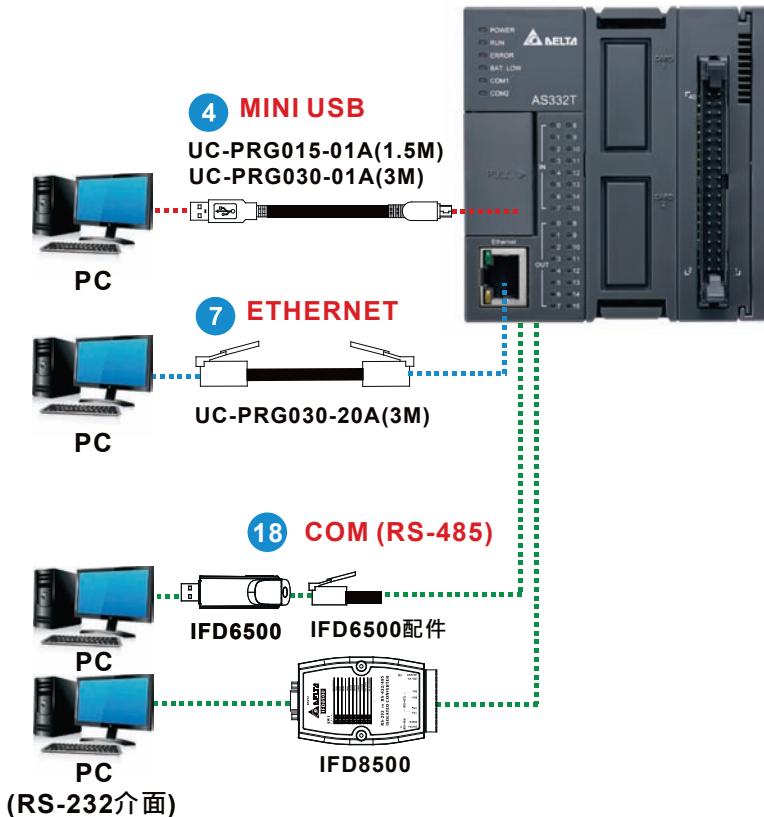


註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.15 AS300 系列

1.15.1 AS300 系列

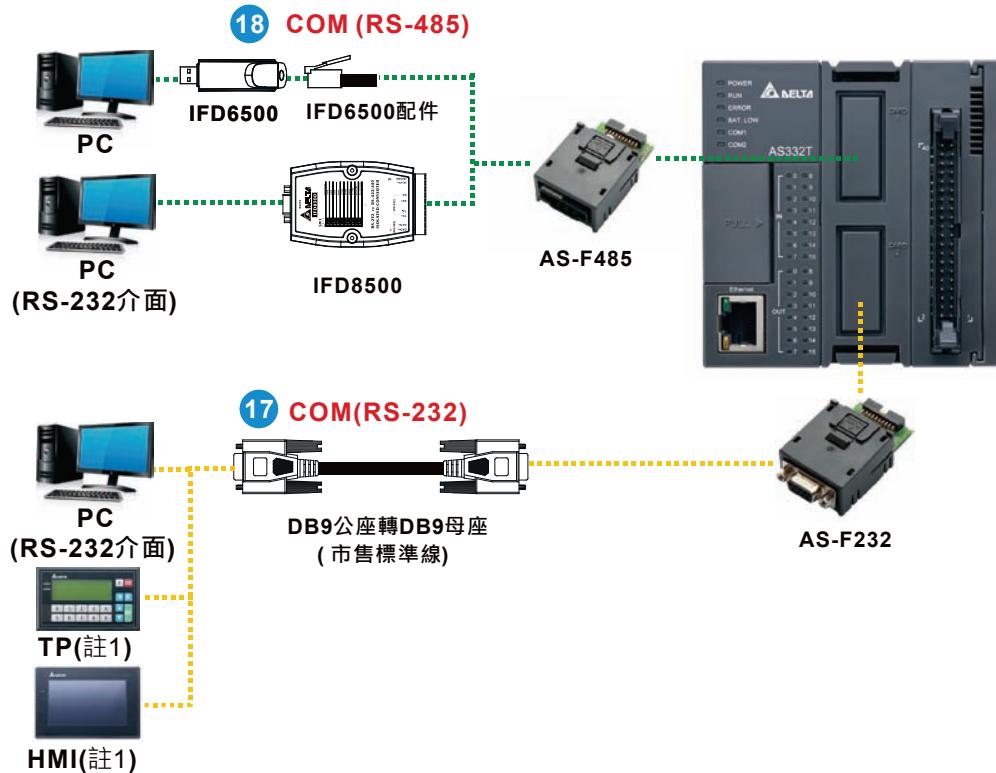
適用機種：AS332T-A、AS332P-A、AS324MT-A



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.15.2 AS300 系列 (功能卡介面)

適用機種：AS332T-A、AS332P-A、AS324MT-A

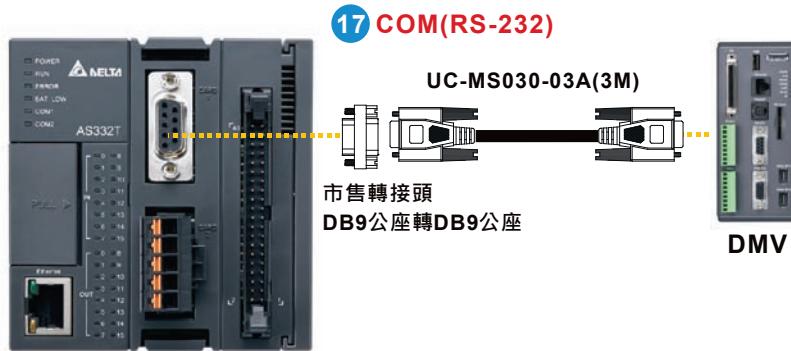


註 1：TP/HMI 機種詳細內容請參考第 1.16 節、第 1.17 節及第 1.18 節。

註 2：圖中的 **1** **2** **3** ...等標號詳細說明請參考第 1.21 節。

1.15.3 AS300 系列與台達機器視覺系統

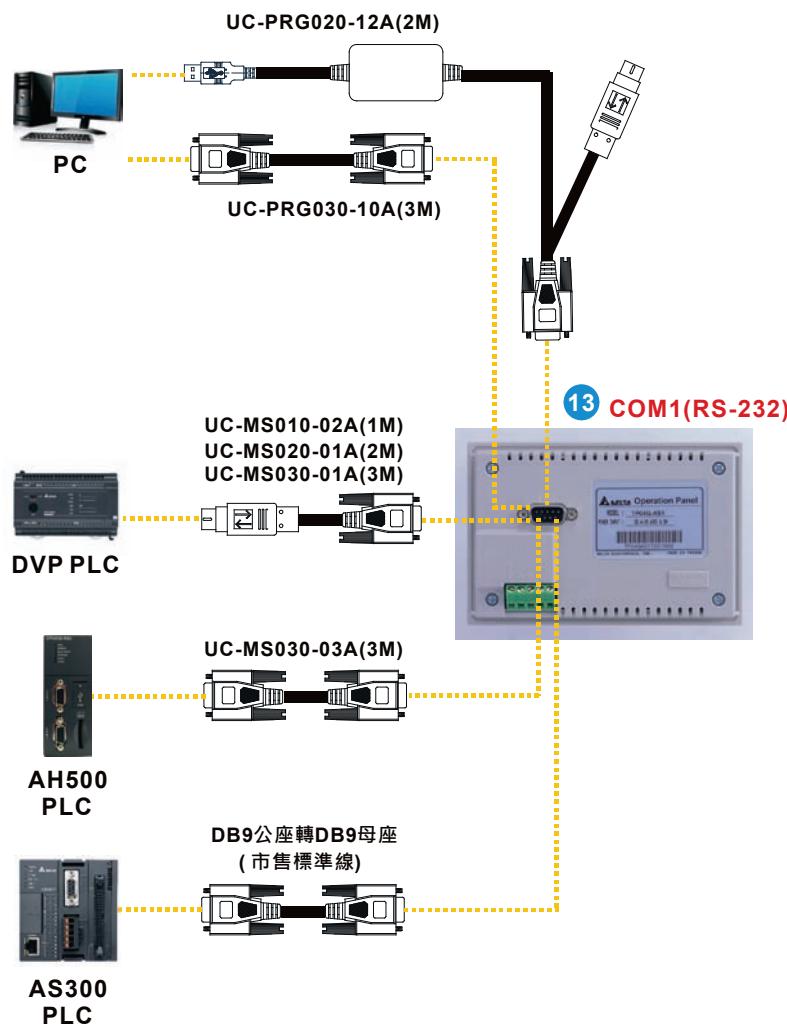
適用機種：AS332T-A、AS332P-A、AS324MT-A



註 1：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.16 TP 系列

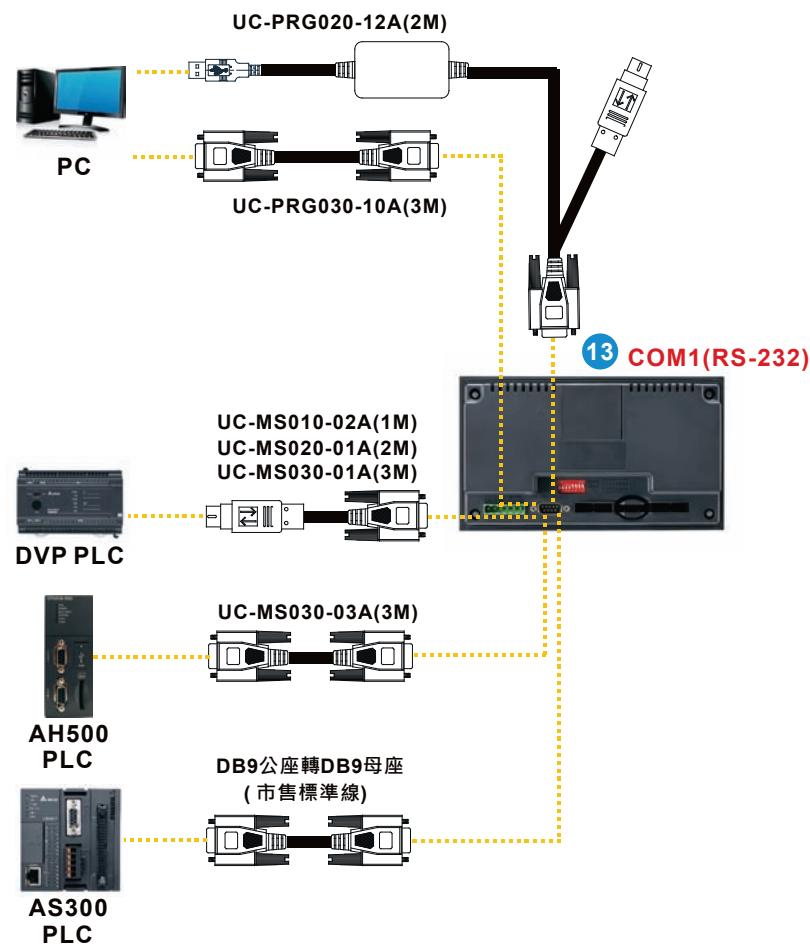
TP 系列 (TP02G-AS1 、 TP04G-AS2)



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

TP 系列 (TP08G-BT2)

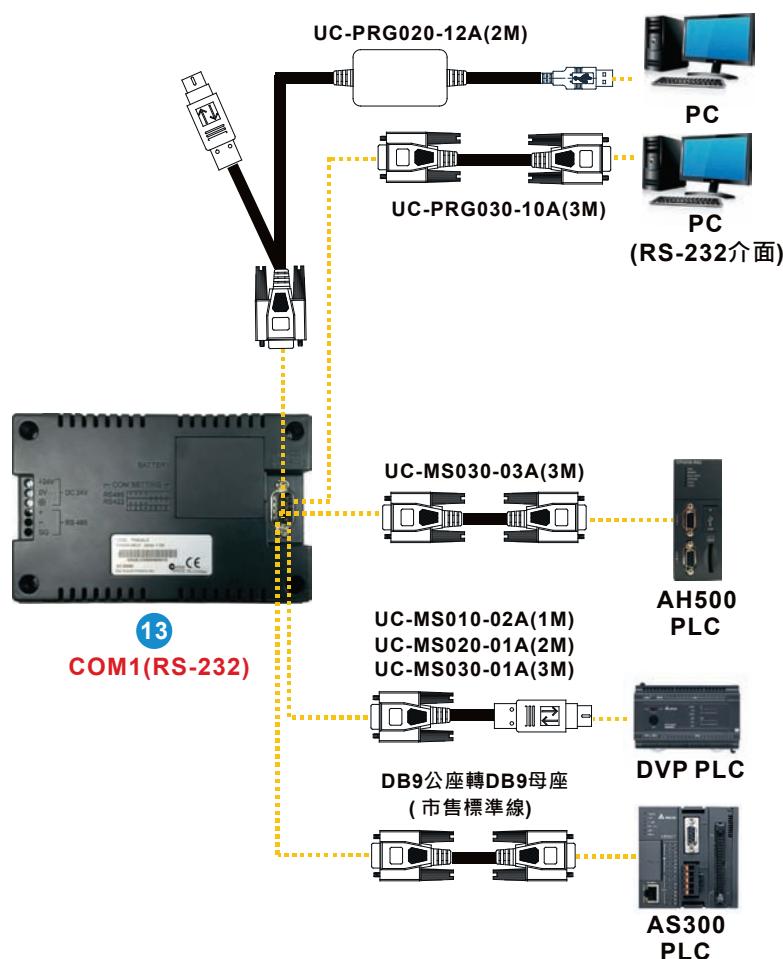
1



註：圖中的 **1** **2** **3** ...等標號詳細說明請參考第 1.21 節。

TP 系列 (TP04G-AL-C、TP04G-AL2)

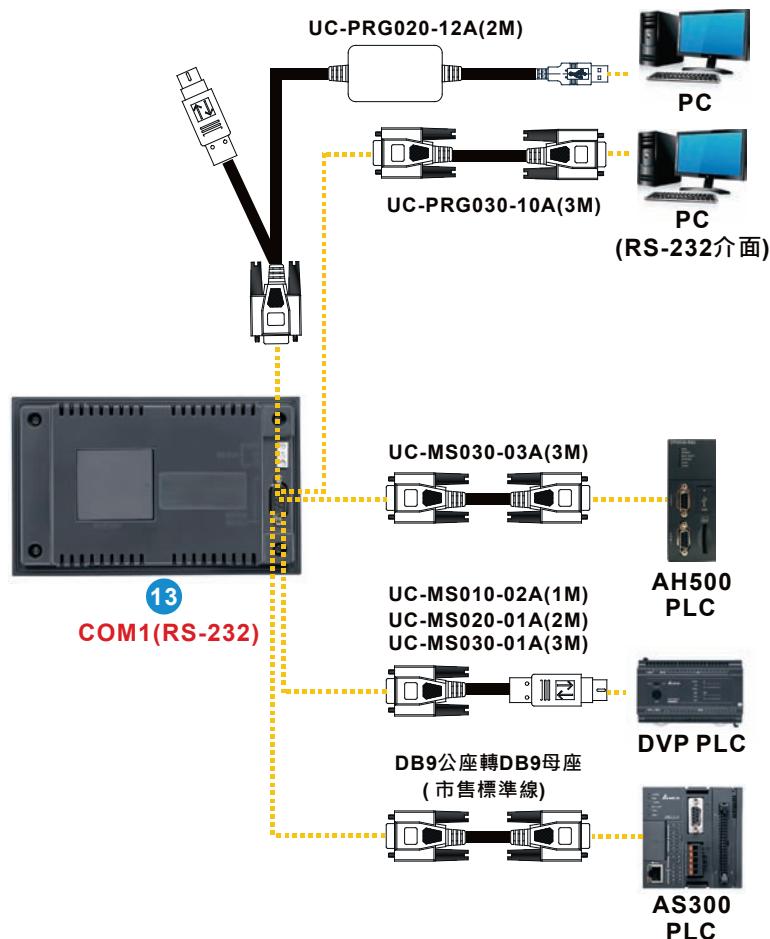
1



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

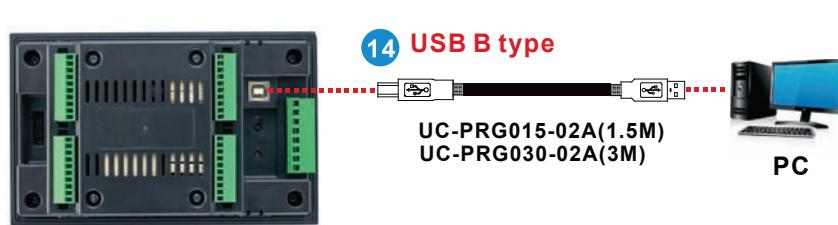
TP 系列 (TP04G-BL-C)

1



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

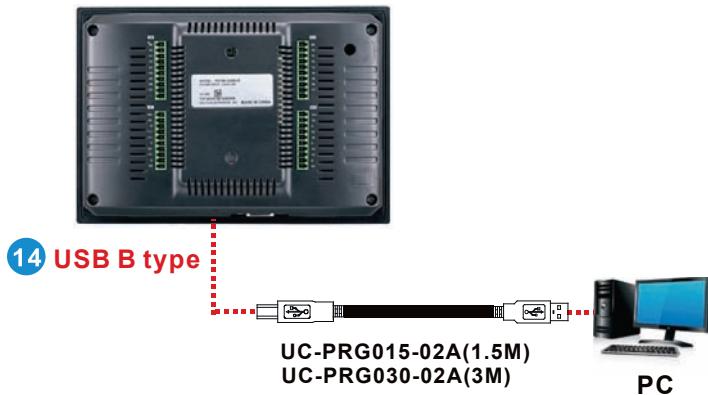
TP04P 系列 (TP04P-16TP1R、TP04P-21EX1R、TP04P-32TP1R、TP04P-22XA1R)



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

TP70P 系列 (TP70P-16TP1R、TP70P-21EX1R、TP70P-22XA1R、TP70P-32TP1R)

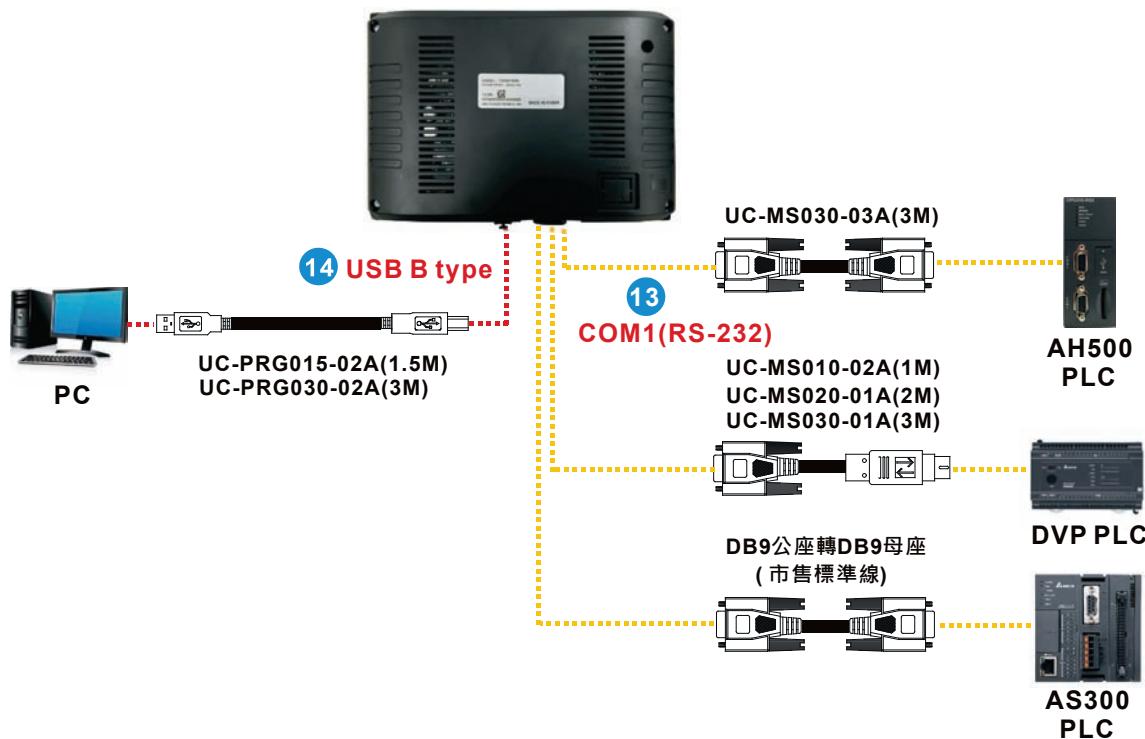
1



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

TP70P 系列 (TP70P-RM0、TP70P-RM1、TP70P-RM2)

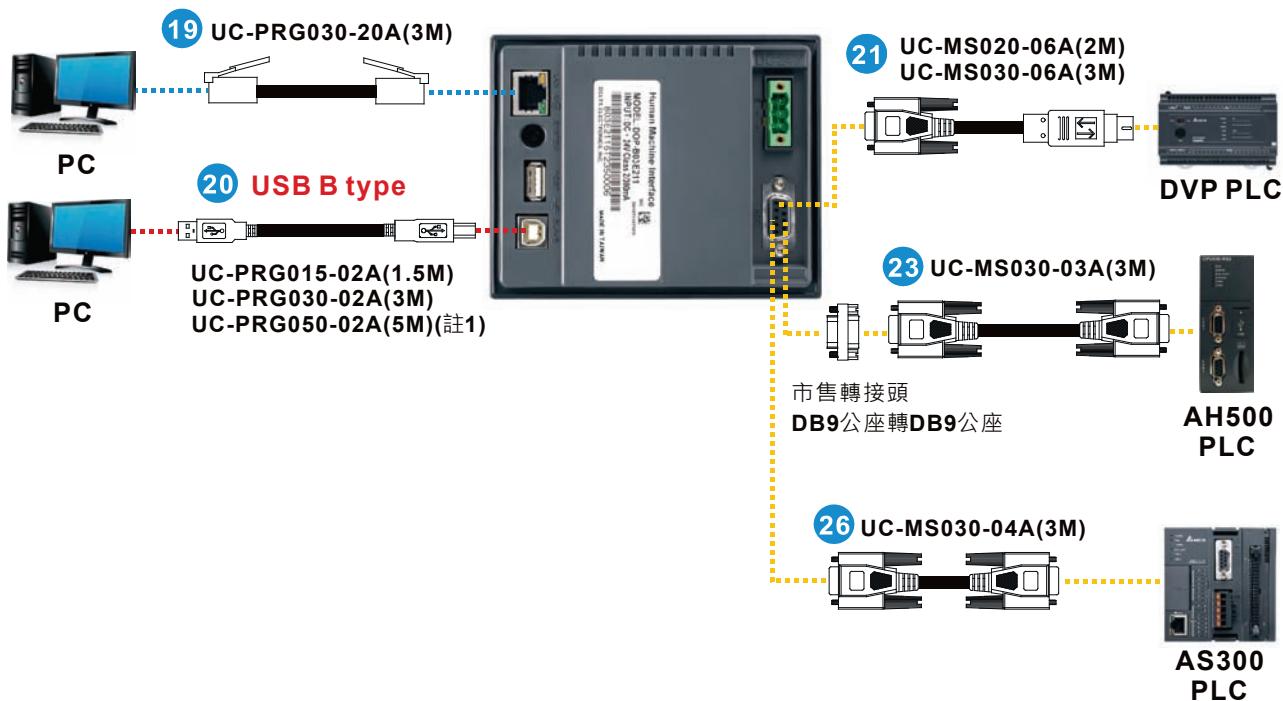
1



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

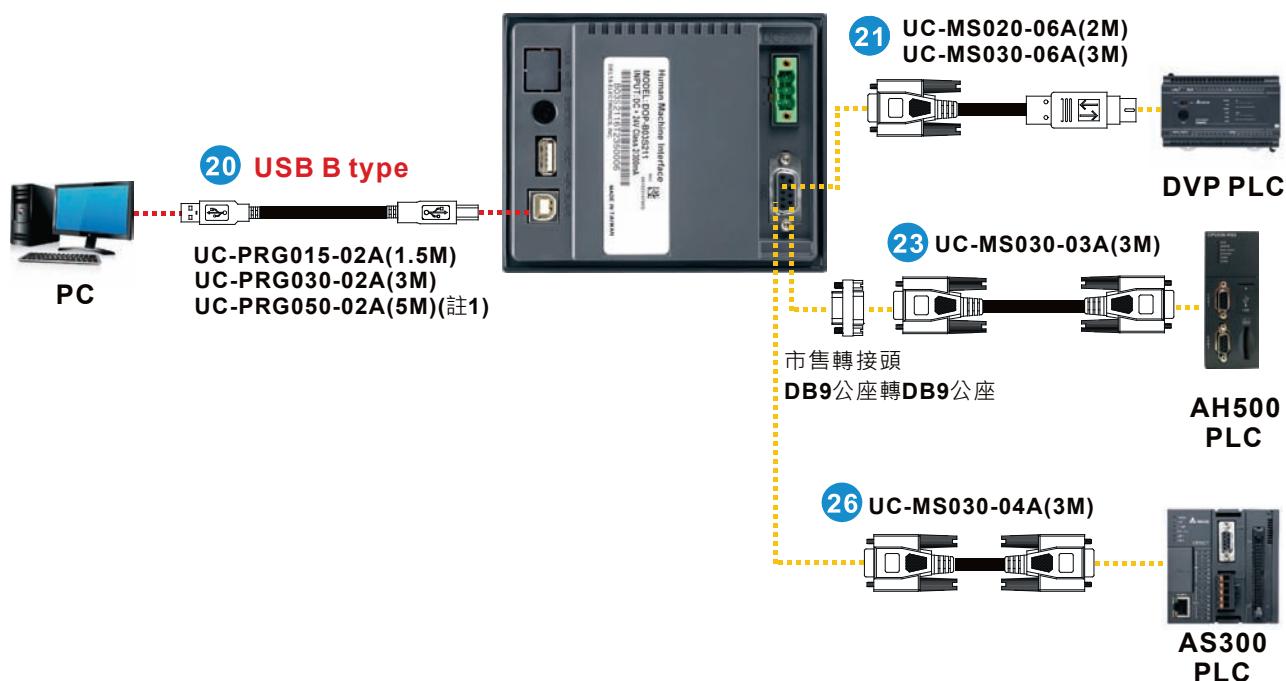
1.17 DOP-B 系列

DOP-B 系列 (DOP-B03E211)



註 1 : UC-PRG050-02A 僅限應用在注塑機專案，用於控制面板與控制器之間，以傳遞按鍵與觸控螢幕的資訊。

註 2 : 圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

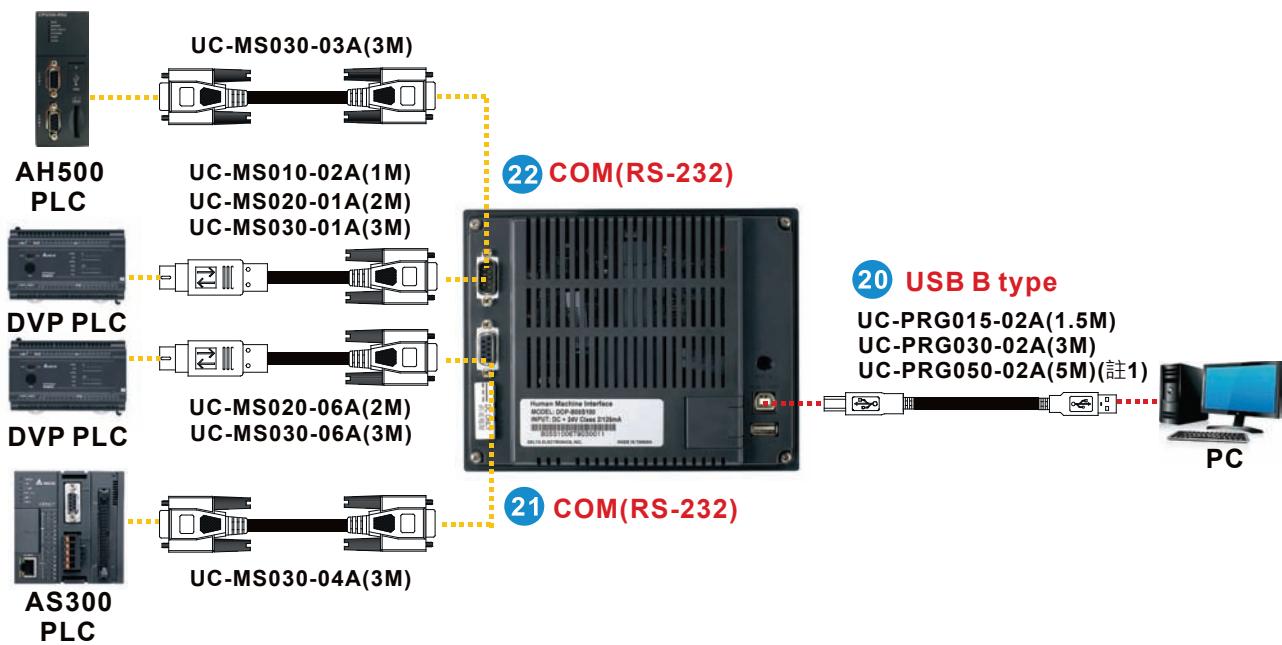
DOP-B 系列 (DOP-B03S210、DOP-B03S211)

註 1 : UC-PRG050-02A 僅限應用在注塑機專案，用於控制面板與控制器之間，以傳遞按鍵與觸控螢幕的資訊。

註 2 : 圖中的 **1** **2** **3** ...等標號詳細說明請參考第 1.21 節。

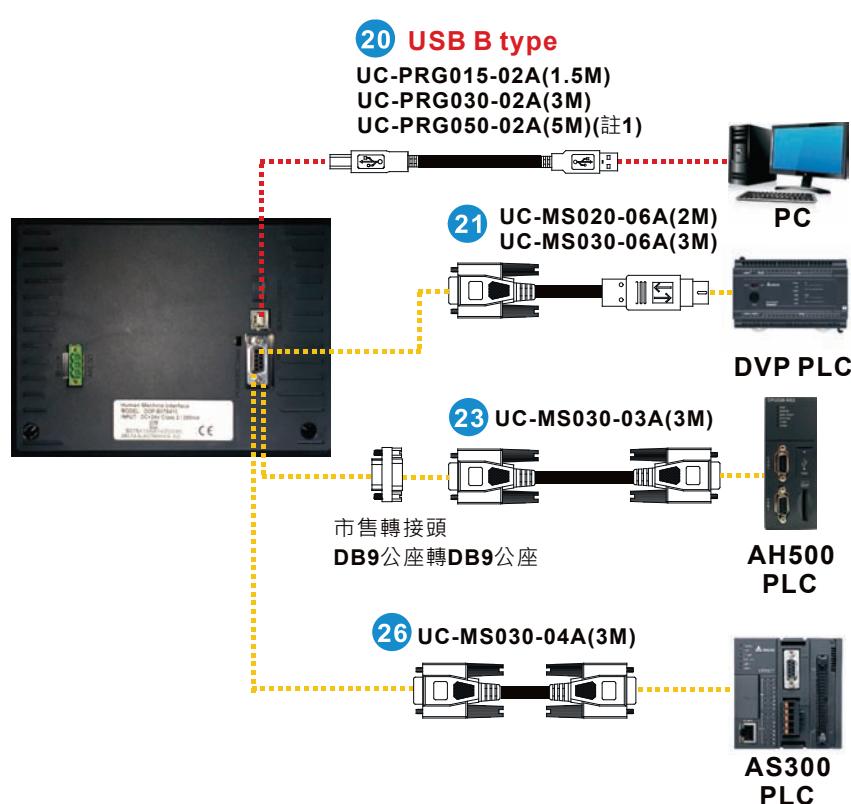
DOP-B 系列 (DOP-B05S111)

1



註 1 : UC-PRG050-02A 僅限應用在注塑機專案，用於控制面板與控制器之間，以傳遞按鍵與觸控螢幕的資訊。

註 2 : 圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

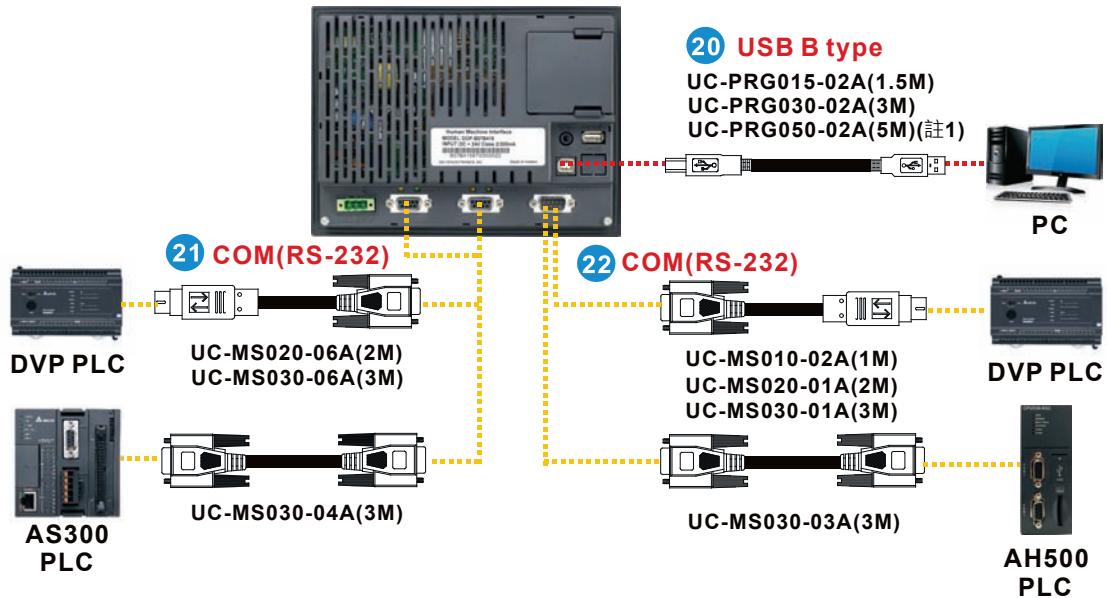
DOP-B 系列 (DOP-B07S410)

註 1 : UC-PRG050-02A 僅限應用在注塑機專案，用於控制面板與控制器之間，以傳遞按鍵與觸控螢幕的資訊。

註 2 : 圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

DOP-B 系列 (DOP-B07S411、DOP-B07S401K、DOP-B07S411K、DOP-B07S415、DOP-B07PS415)

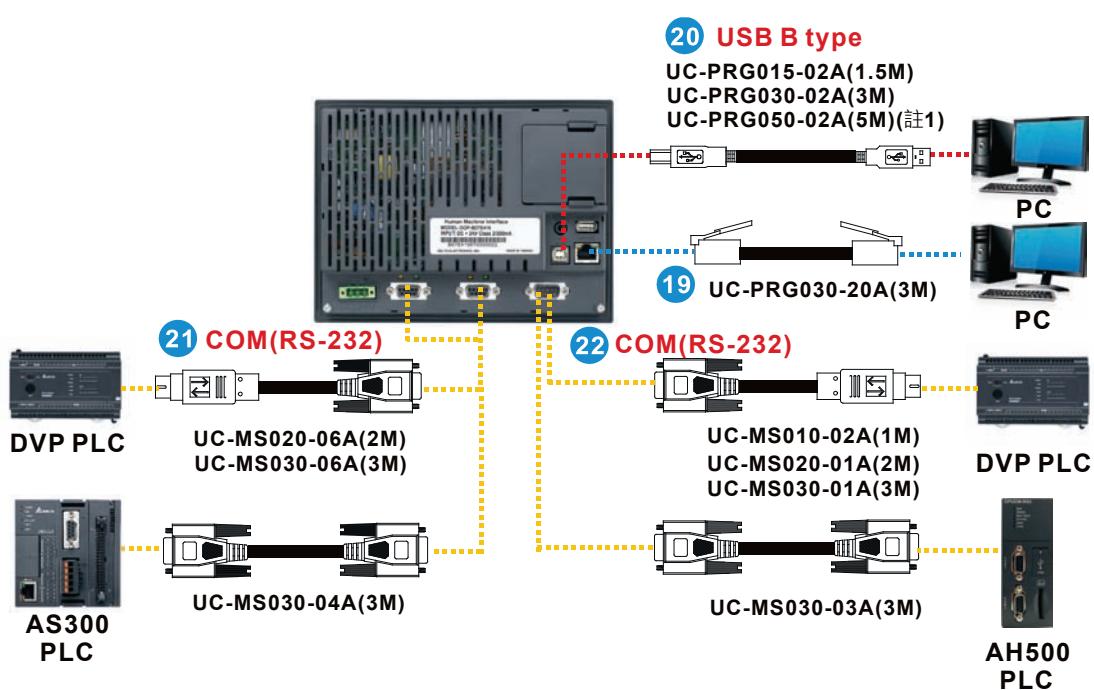
1



註 1 : UC-PRG050-02A 僅限應用在注塑機專案，用於控制面板與控制器之間，以傳遞按鍵與觸控螢幕的資訊。

註 2 : 圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

DOP-B 系列 (DOP-B07E415)

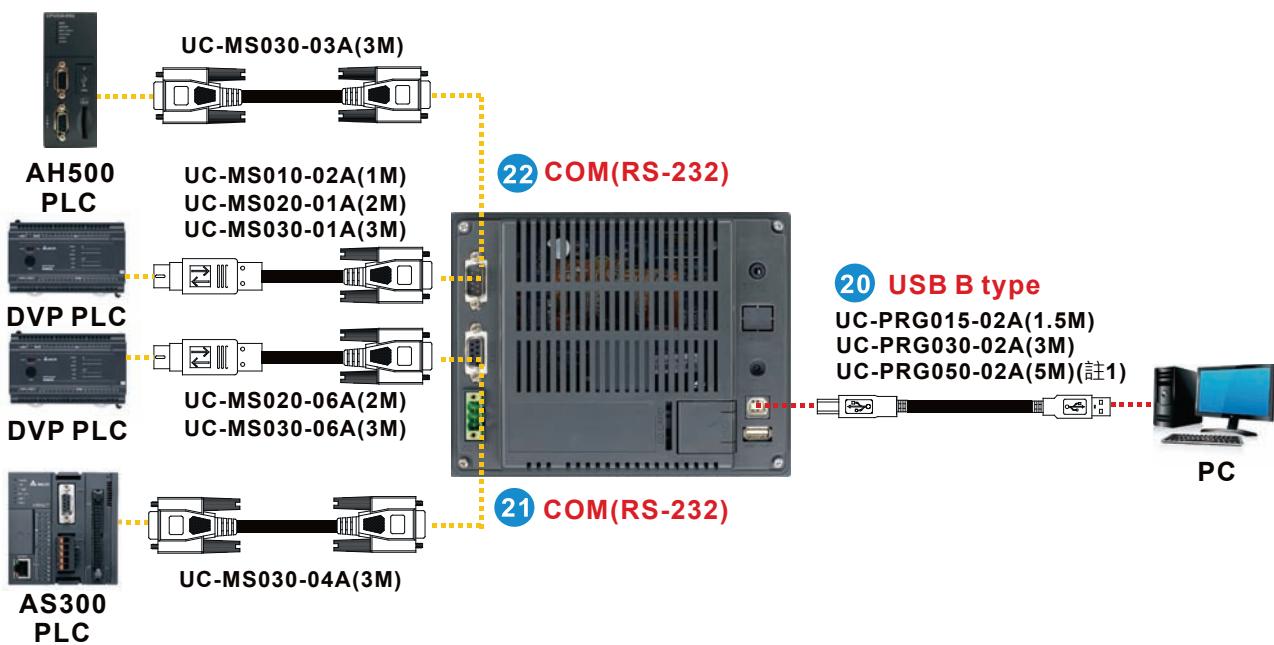


註 1 : UC-PRG050-02A 僅限應用在注塑機專案，用於控制面板與控制器之間，以傳遞按鍵與觸控螢幕的資訊。

註 2 : 圖中的 **1** **2** **3** ...等標號詳細說明請參考第 1.21 節。

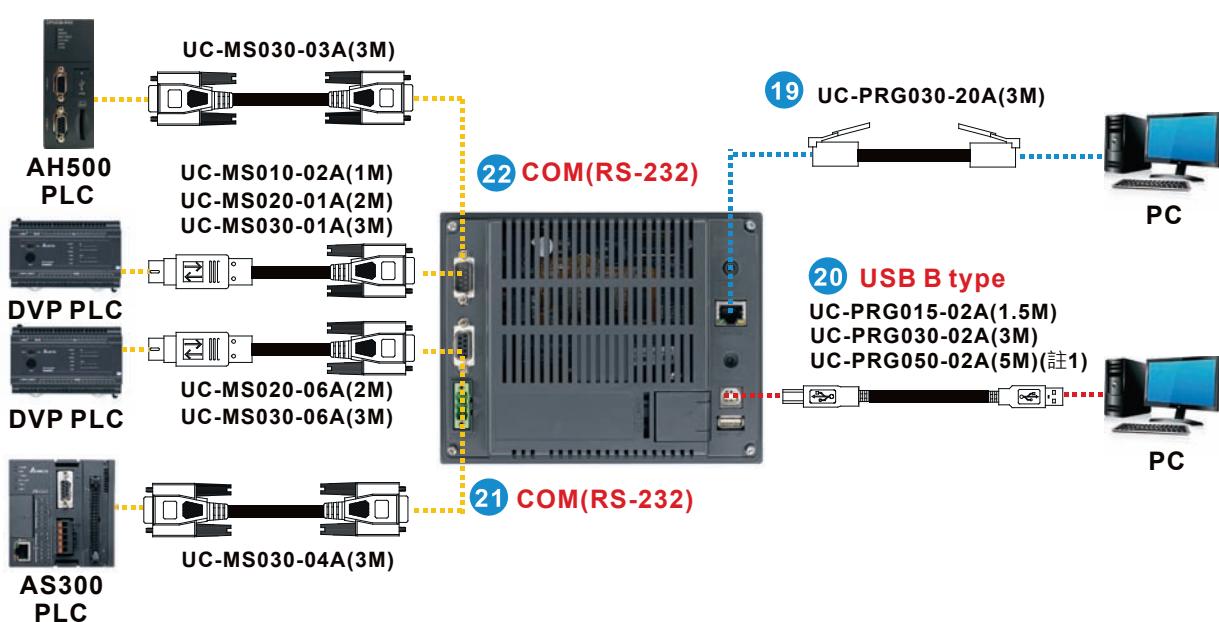
DOP-B 系列 (DOP-B07S515、DOP-B07PS515)

1



註 1 : UC-PRG050-02A 僅限應用在注塑機專案，用於控制面板與控制器之間，以傳遞按鍵與觸控螢幕的資訊。

註 2 : 圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

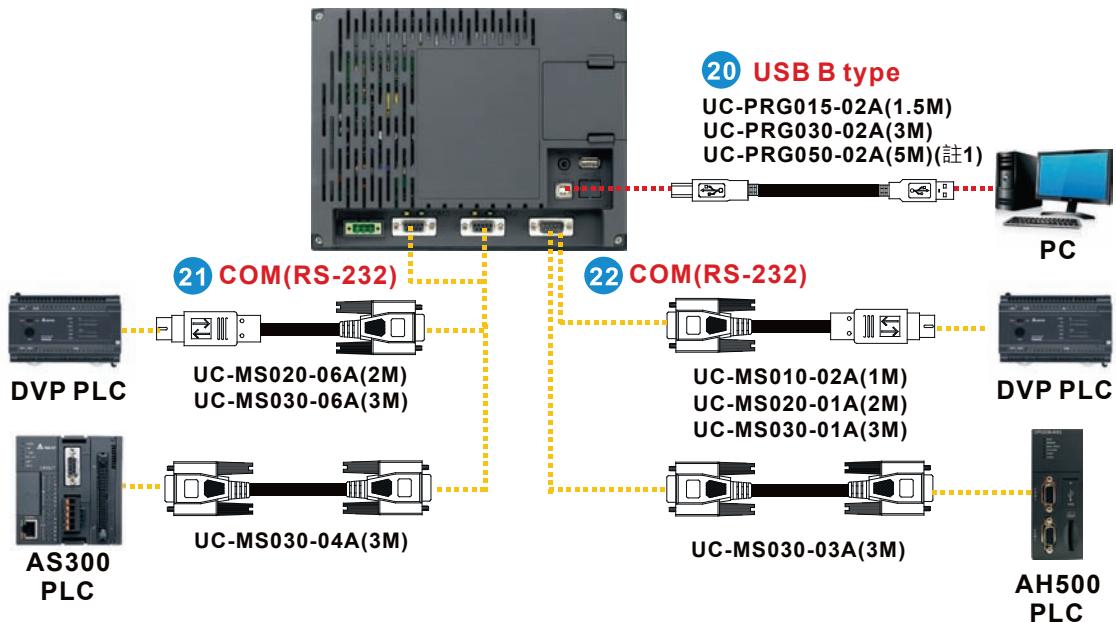
DOP-B 系列 (DOP-B07E515)

註 1 : UC-PRG050-02A 僅限應用在注塑機專案，用於控制面板與控制器之間，以傳遞按鍵與觸控螢幕的資訊。

註 2 : 圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

DOP-B 系列 (DOP-B08S515)

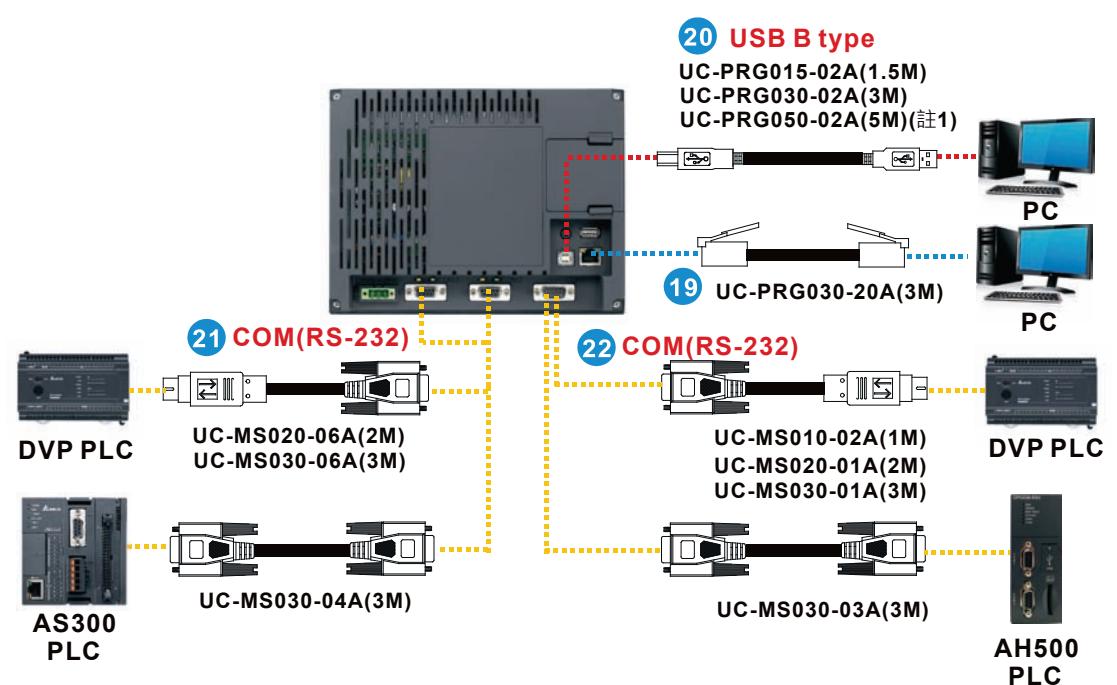
1



註 1 : UC-PRG050-02A 僅限應用在注塑機專案，用於控制面板與控制器之間，以傳遞按鍵與觸控螢幕的資訊。

註 2 : 圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

DOP-B 系列 (DOP-B08E515)

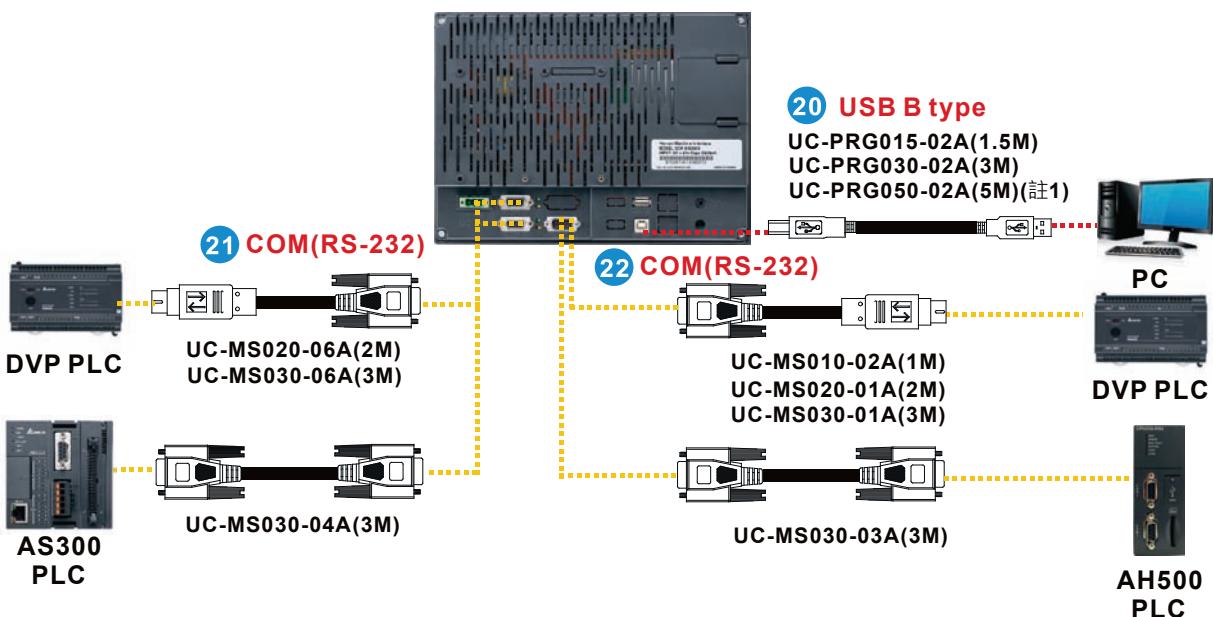


註 1 : UC-PRG050-02A 僅限應用在注塑機專案，用於控制面板與控制器之間，以傳遞按鍵與觸控螢幕的資訊。

註 2 : 圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

DOP-B 系列 (DOP-B10S411、DOP-B10S615)

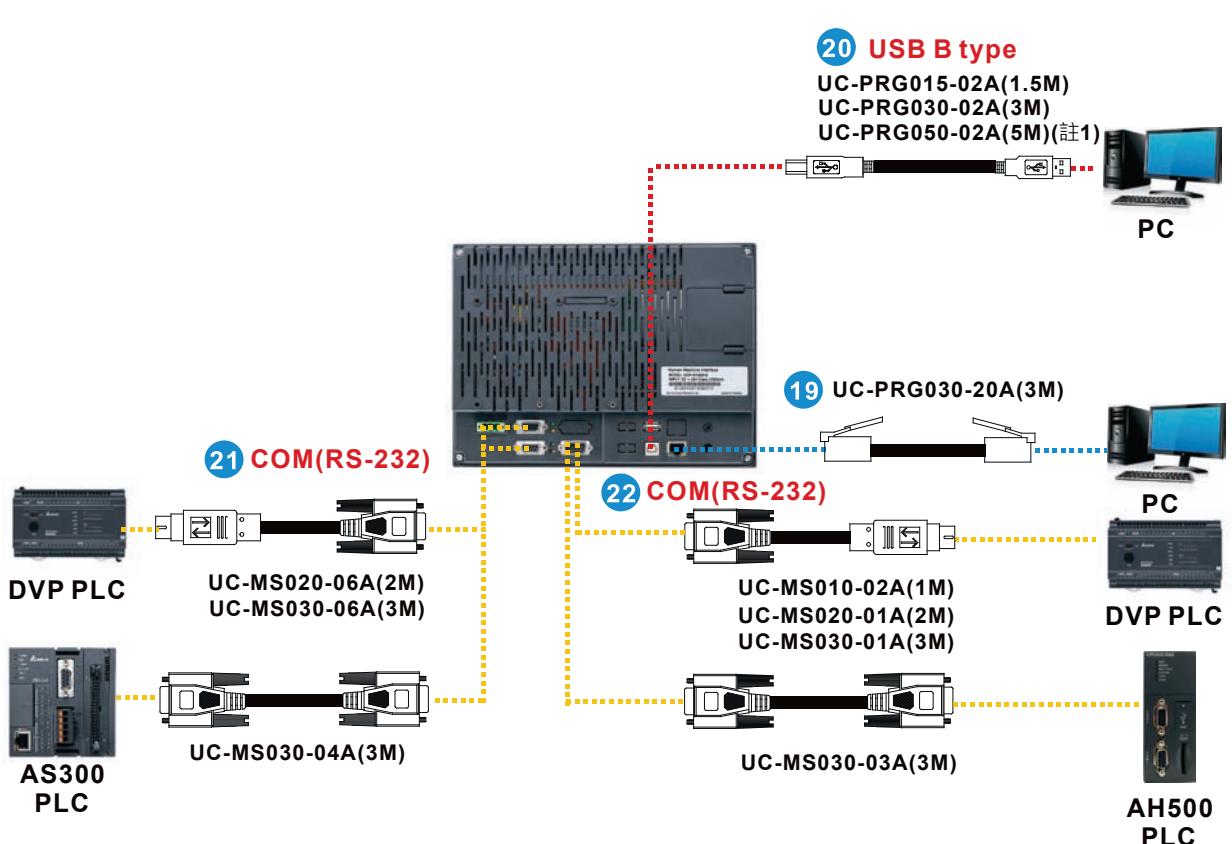
1



註 1 : UC-PRG050-02A 僅限應用在注塑機專案，用於控制面板與控制器之間，以傳遞按鍵與觸控螢幕的資訊。

註 2 : 圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

DOP-B 系列 (DOP-B10E615)

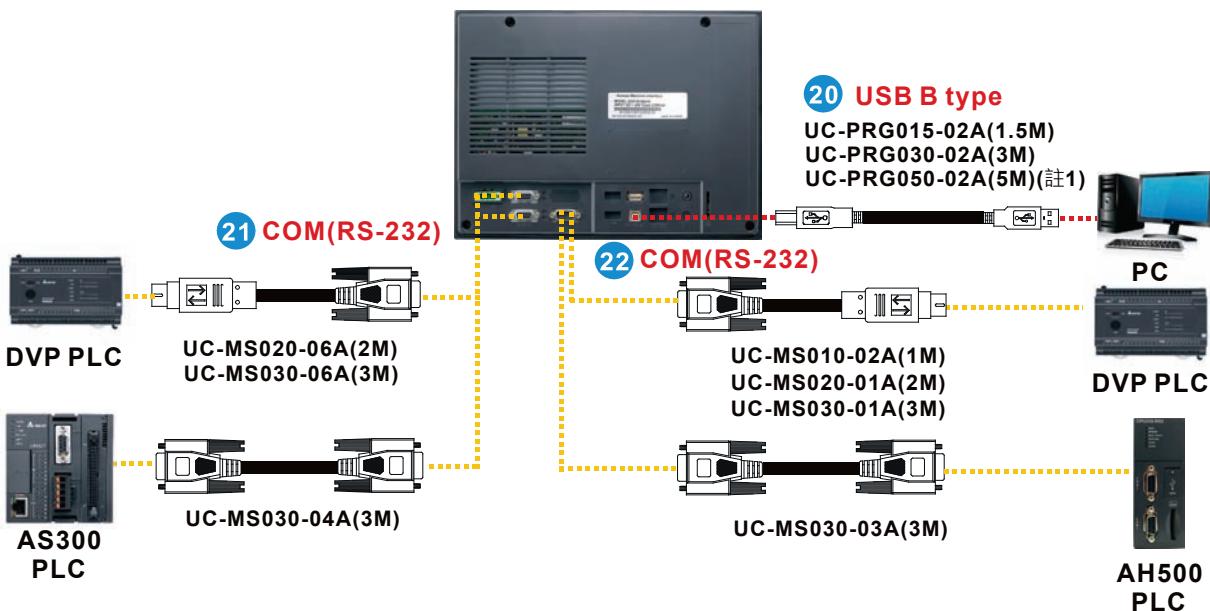


註 1：UC-PRG050-02A 僅限應用在注塑機專案，用於控制面板與控制器之間，以傳遞按鍵與觸控螢幕的資訊。

註 2：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

DOP-B 系列 (DOP-B10S511、DOP-B10VS511)

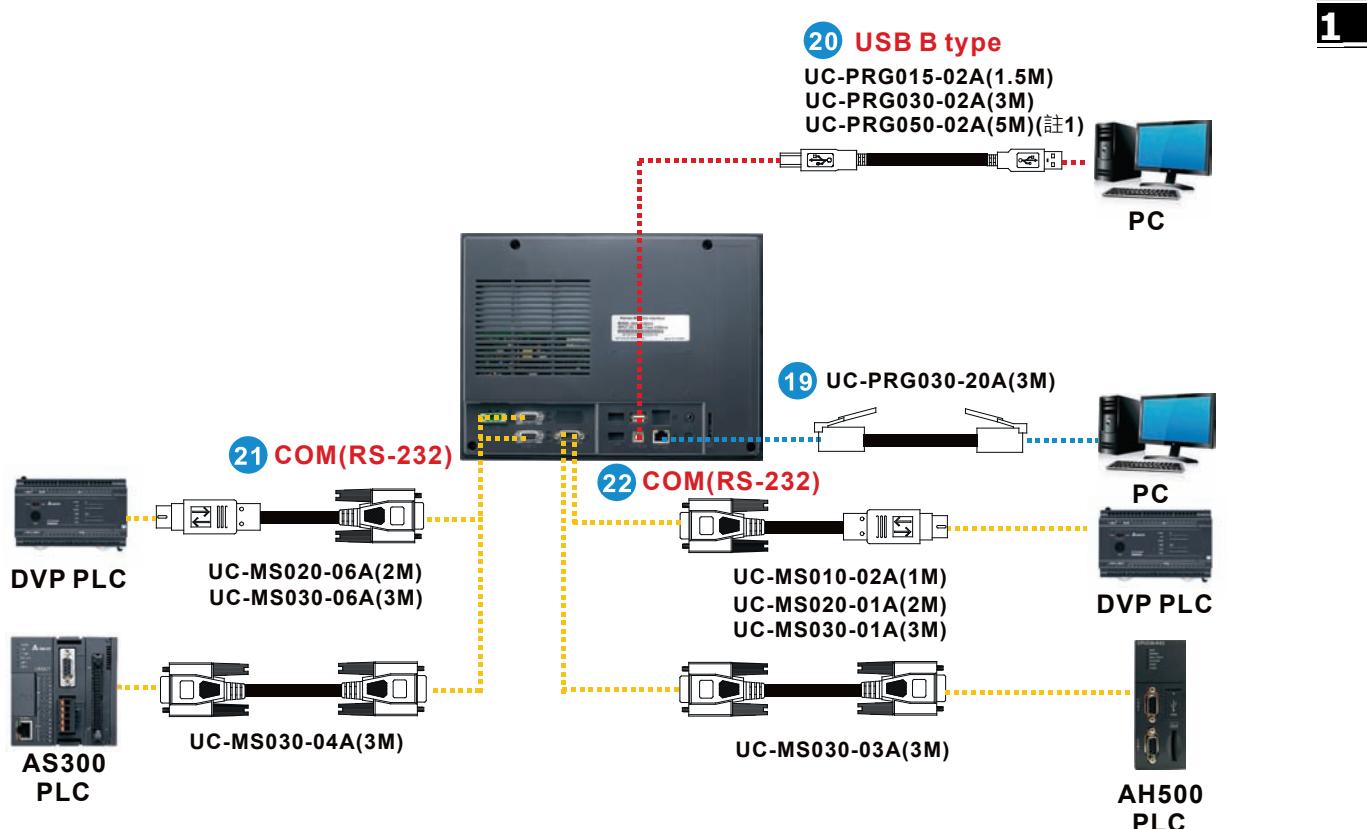
1



註 1 : UC-PRG050-02A 僅限應用在注塑機專案，用於控制面板與控制器之間，以傳遞按鍵與觸控螢幕的資訊。

註 2 : 圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

DOP-B 系列 (DOP-B10E515)

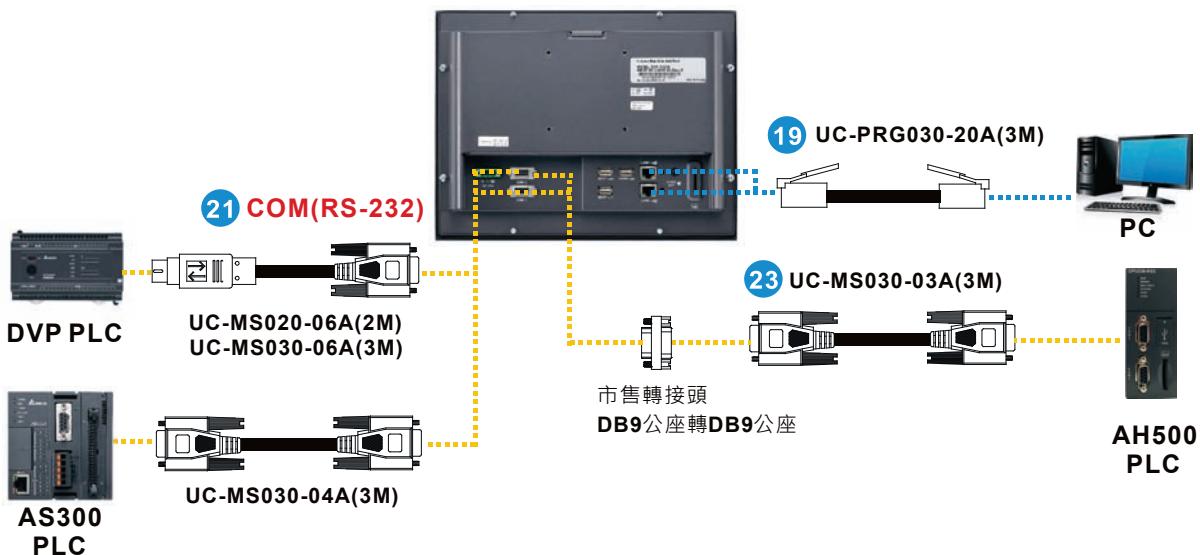


註 1 : UC-PRG050-02A 僅限應用在注塑機專案，用於控制面板與控制器之間，以傳遞按鍵與觸控螢幕的資訊。

註 2 : 圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

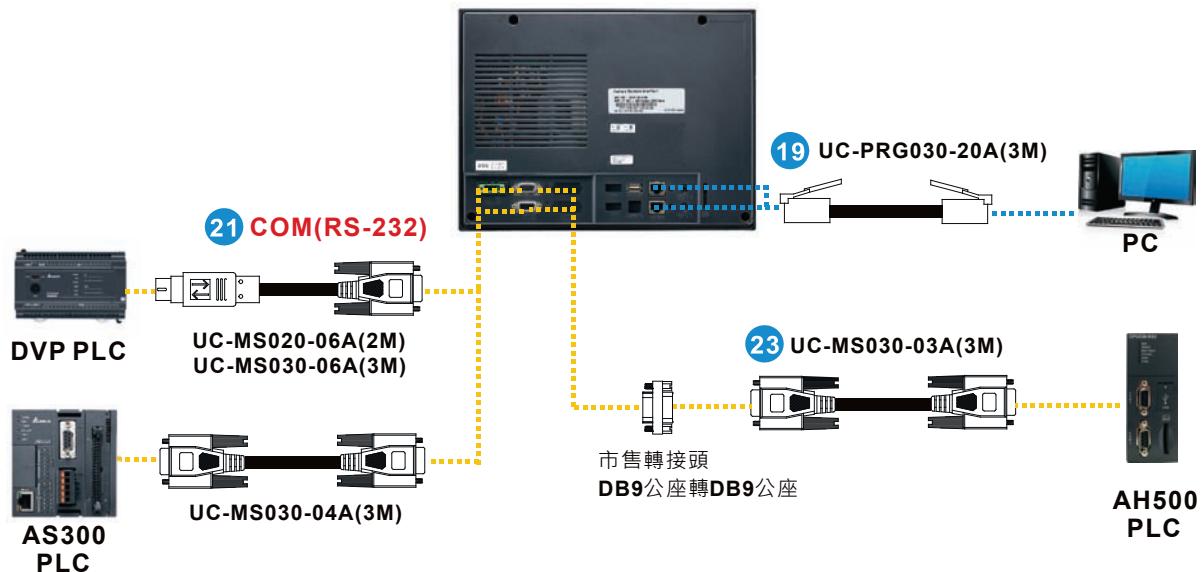
1.18 DOP-W 系列

DOP-W 系列 (DOP-W105B、DOP-W127B)



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

DOP-W 系列 (DOP-W157B)



註：圖中的 **1** **2** **3**...等標號詳細說明請參考第 1.21 節。

1.19 DOP 系列與台達機器視覺系統 (RS-232)

DOP 系列適用機種如下：

- **DOP-B 系列** (DOP-B03E211、DOP-B03S210、DOP-B03S211、DOP-B05S111、DOP-B07E415、DOP-B07E515、DOP-B07PS415、DOP-B07PS515、DOP-B07S401K、DOP-B07S410、DOP-B07S411、DOP-B07S411K、DOP-B07S415、DOP-B07S515、DOP-B08E515、DOP-B08S515、DOP-B10E515、DOP-B10E615、DOP-B10S411、DOP-B10S511、DOP-B10S615、DOP-B10VS511)
- **DOP-W 系列** (DOP-W105B、DOP-W127B、DOP-W157B)

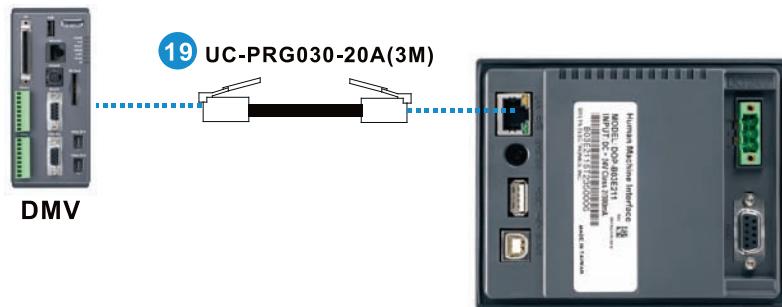


註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.20 DOP 系列與台達機器視覺系統 (Ethernet)

DOP 系列適用機種如下：

- **DOP-B 系列** (DOP-B03E211、DOP-B07E415、DOP-B07E515、DOP-B08E515、DOP-B10E515、DOP-B10E615)
- **DOP-W 系列** (DOP-W105B、DOP-W127B、DOP-W157B)



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 1.21 節。

1.21 電纜接線型號

1 COM1 (RS-232)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|--------|----------------------------|-------------------------------------------------------------------------------------|
| PLC | -- | -- | 8-PIN MINI-DIN 公座 ↔ DB9 母座 | PC/HMI/TP |
| | | | UC-MS010-02A (1M)(圖 1) | |
| | | | UC-MS020-01A (2M)(圖 2) | |
| | | | UC-MS030-01A (3M)(圖 2) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|--------|------------------------------|--------------------------------------------------------------------------------------|
| PLC | -- | -- | 8-PIN MINI-DIN 公座 ↔ USB | PC |
| | | | UC-PRG020-12A (2M)(圖 3A) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|--------|----------------------------|---------------------------------------------------------------------------------------|
| PLC | -- | -- | 8-PIN MINI-DIN 公座 ↔ DB9 公座 | HMI |
| | | | UC-MS020-06A (2M)(圖 4) | |
| | | | UC-MS030-06A (3M)(圖 4) |  |

2 COM2 (RS-485)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------------------------------------------------------------------------------------|-----|--------|-----------------|---------------------------------------------------------------------------------------|
| PLC | -- | -- | RS-485 ↔ USB | PC |
|  | | | IFD6500 (圖 5) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----------------------------------------------------------------------------------|-----|--------|-----------------|-------------------------------------------------------------------------------------|
| PLC | -- | -- | RS-485 ↔ RS-232 | PC |
|  | | | IFD8500 (圖 6) |  |

3 COM3 (RS-485)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|------------------------------------------------------------------------------------|-----|--------|-----------------|-------------------------------------------------------------------------------------|
| PLC | -- | -- | RS-485 ↔ USB | PC |
|  | | | IFD6500 (圖 5) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------------------------------------------------------------------------------------|-----|--------|-----------------|---------------------------------------------------------------------------------------|
| PLC | -- | -- | RS-485 ↔ RS-232 | PC |
|  | | | IFD8500 (圖 6) |  |

4 MINI USB

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------------------------------------------------------------------------------------|-----|--------|--------------------------------|---------------------------------------------------------------------------------------|
| PLC | -- | -- | MINI USB ↔ USB | PC |
|  | | | UC-PRG015-01A (1.5M)(圖 10) |  |
| | | | UC-PRG030-01A (3M)(圖 10) | |

5 COM1/COM2 (RS-485)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|-----------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------|
| PLC | -- | DVPSCM12-SL (圖 9) DVPSCM52-SL (圖 9) | RS-485 ↔ USB | PC |
| | |  | IFD6500 (圖 5) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|-----------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------|
| PLC | -- | -- | RS-485 ↔ RS-232 | PC |
| | |  | IFD8500 (圖 6) |  |

6 RS-232

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| PLC | -- | DVPEN01-SL (圖 8) | 8-PIN MINI-DIN 公座 ↔ DB9 母座 | PC/HMI/TP |
| | |  | UC-MS010-02A (1M)(圖 1) UC-MS020-01A (2M)(圖 2) UC-MS030-01A (3M)(圖 2) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|-------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------|
| PLC | -- | DVPEN01-SL (圖 8) | 8-PIN MINI-DIN 公座 ↔ DB9 公座 | HMI |
| | |  | UC-MS020-06A (2M)(圖 4) UC-MS030-06A (3M)(圖 4) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|-----------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------|
| PLC | -- | DVPEN01-SL (圖 8) | 8-PIN MINI-DIN 公座 ↔ USB | PC |
| | |  | UC-PRG020-12A (2M)(圖 3A) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|-----------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------|
| PLC | -- | DVPEN01-SL (圖 8) | RJ45 ↔ RJ45 | PC/HMI |
| | |  | UC-PRG030-20A (3M)(圖 7) |  |

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| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------------------------------------------------------------------------------------|-----|--------|-----------------------------|---------------------------------------------------------------------------------------|
| PLC | -- | -- | RJ45 ↔ RJ45 | PC/HMI |
|  | | | UC-PRG030-20A (3M)(圖 7) |  |

8 COM3 (RS-232)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|-------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------|
| PLC | -- | DVP-FEN01 (圖 14) | 8-PIN MINI-DIN 公座 ↔ DB9 母座 | PC/HMI/TP |
| | |  | UC-MS010-02A (1M)(圖 1) |  |
| | | | UC-MS020-01A (2M)(圖 2) | |
| | | | UC-MS030-01A (3M)(圖 2) | |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|-------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------|
| PLC | -- | DVP-FEN01 (圖 14) | 8-PIN MINI-DIN 公座 ↔ DB9 公座 | HMI |
| | |  | UC-MS020-06A (2M)(圖 4) |  |
| | | | UC-MS030-06A (3M)(圖 4) | |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|-----------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------|
| PLC | -- | DVP-FEN01 (圖 14) | 8-PIN MINI-DIN 公座 ↔ USB | PC |
| | |  | UC-PRG020-12A (2M)(圖 3A) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|-----------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------|
| PLC | -- | DVP-FEN01 (圖 14) | RJ45 ↔ RJ45 | PC/HMI |
| | |  | UC-PRG030-20A (3M)(圖 7) |  |

9 COM3 (RS-232)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|
| PLC | -- | DVP-F232 (圖 15) | DB9 母座 ↔ USB | PC |
| | |  | UC-PRG020-12A (2M)(圖 3B) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|
| PLC | -- | DVP-F232 (圖 15) | DB9 母座 ↔ DB9 母座 | PC |
| | |  | UC-PRG030-10A (3M)(圖 12) |  |

10 COM3 (RS-485)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|-----------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------|
| PLC | -- | DVP-F485 (圖 16) | RS-485 ↔ USB | PC |
| | |  | IFD6500 (圖 5) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|-----------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------|
| PLC | -- | DVP-F485 (圖 16) | RS-485 ↔ RS-232 | PC |
| | |  | IFD8500 (圖 6) |  |

11 COM3 (RS-232)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|------------------------------|---------------------------------------------------------------------------------------|
| PLC | NULL MODEM (公對公) | F232S (圖 11) | DB9 母座 ↔ USB | PC |
|  |  | | UC-PRG020-12A (2M)(圖 3B) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|------------------------------|---------------------------------------------------------------------------------------|
| PLC | NULL MODEM (公對公) | F232S (圖 11) | DB9 母座 ↔ DB9 母座 | PC |
|  |  | | UC-PRG030-10A (3M)(圖 12) |  |

12 COM3 (RS-485)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|-----------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------|
| PLC | -- | F485S (圖 13) | RS-485 ↔ USB | PC |
| | |  | IFD6500 (圖 5) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|-----------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------|
| PLC | -- | F485S (圖 13) | RS-485 ↔ RS-232 | PC |
| | |  | IFD8500 (圖 6) |  |

13 COM1 (RS-232)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------------------------------------------------------------------------------------|-----|--------|------------------------------|---------------------------------------------------------------------------------------|
| TP | -- | -- | DB9 母座 ↔ USB | PC |
|  | | | UC-PRG020-12A (2M)(圖 3B) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------------------------------------------------------------------------------------|-----|--------|------------------------------|---------------------------------------------------------------------------------------|
| TP | -- | -- | DB9 母座 ↔ DB9 母座 | PC |
|  | | | UC-PRG030-10A (3M)(圖 12) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------------------------------------------------------------------------------------|-----|--------|----------------------------|---------------------------------------------------------------------------------------|
| TP | -- | -- | DB9 母座 ↔ 8-PIN MINI-DIN 公座 | DVP PLC |
|  | | | UC-MS010-02A (1M)(圖 1) |  |
| | | | UC-MS020-01A (2M)(圖 2) | |
| | | | UC-MS030-01A (3M)(圖 2) | |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----------------------------------------------------------------------------------|-----|--------|-----------------------------|-------------------------------------------------------------------------------------|
| TP | -- | -- | DB9 母座 ↔ DB9 公座 | AH500 |
|  | | | UC-MS030-03A (3M)(圖 18) |  |

14 USB B TYPE

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----------------------------------------------------------------------------------|-----|--------|--------------------------------|-------------------------------------------------------------------------------------|
| TP | -- | -- | USB B TYPE ↔ USB A TYPE | PC |
|  | | | UC-PRG015-02A (1.5M)(圖 19) |  |
| | | | UC-PRG030-02A (3M)(圖 19) | |

15 COM (RS-485)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------|-----|-------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------|
| AH500 | -- | AH10SCM-5A (圖 21) | RS-485 ↔ USB | PC |
| | |  | IFD6500 (圖 5) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------|-----|-------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------|
| AH500 | -- | AH10SCM-5A (圖 21) | RS-485 ↔ RS-232 | PC |
| | |  | IFD8500 (圖 6) |  |

16 COM (RS-485)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------|-----|-----------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------|
| AH500 | -- | AH10EN-5A (圖 20) | RJ45 ↔ RJ45 | PC/HMI |
| | |  | UC-PRG030-20A (3M)(圖 7) |  |

17 COM (RS-232)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|------------------------------|---------------------------------------------------------------------------------------|
| AH500 | DB9 公座 轉 DB9 公座 (電纜配 件) | -- | DB9 母座 ↔ USB | PC |
|  |  | | UC-PRG020-12A (2M)(圖 3B) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|------------------------------|---------------------------------------------------------------------------------------|
| AH500 | DB9 公座 轉 DB9 公座 | -- | DB9 母座 ↔ DB9 母座 | PC |
|  |  | | UC-PRG030-10A (3M)(圖 12) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------|
| AH500 | DB9 公座 轉 DB9 公座 | -- | DB9 母座 ↔ DB9 公座 | PC/TP/HMI |
| |  |  | UC-MS030-03A (3M)(圖 18) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------|------------------------------------------------------------------------------------|--------|-----------------------------|--------------------------------------------------------------------------------------|
| AH500 | -- | -- | DB9 公座 ↔ DB9 公座 | DMV |
| |  | | UC-MS030-04A (3M)(圖 17) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------|-----|-------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------|
| AS300 | -- | AS-F232 (圖 22) | DB9 公座 ↔ DB9 母座 | PC/TP/HMI |
| | |  | 市售標準線材 |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|------------------------------|-------------------------------------------------------------------------------------|
| AS300 | DB9 公座 轉 DB9 公座 | -- | DB9 母座 ↔ DB9 公座 | DMV |
|  |  | | UC-MS030-03A (3M) (圖 18) |  |

18 COM (RS-485)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|------------------------------------------------------------------------------------|-----|--------|-----------------|--------------------------------------------------------------------------------------|
| AH500 | -- | -- | RS-485 ↔ USB | PC |
|  | | | IFD6500 (圖 5) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------------------------------------------------------------------------------------|-----|--------|-----------------|---------------------------------------------------------------------------------------|
| AH500 | -- | -- | RS-485 ↔ RS-232 | PC |
|  | | | IFD8500 (圖 6) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------|-----|-------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------|
| AS300 | -- | AS-F485(圖 23) | RS-485 ↔ USB | PC |
| | |  | IFD6500 (圖 5) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------|-----|-----------------|------------------------------------|------|
| AS300 | -- | AS-F485(圖 23) | RS-485 ↔ RS-232 IFD8500 (圖 6) | PC |

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| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|--------|--------------------------------------------|------|
| DOP | -- | -- | RJ45 ↔ RJ45 UC-PRG030-20A (3M)(圖 7) | PC |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|--------|--------------------------------------------|------|
| DOP | -- | -- | RJ45 ↔ RJ45 UC-PRG030-20A (3M)(圖 7) | DMV |

20 USB B TYPE

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------------------------------------------------------------------------------------|-----|--------|--------------------------------|---------------------------------------------------------------------------------------|
| DOP | -- | -- | USB B TYPE ↔ USB A TYPE | PC |
|  | | | UC-PRG015-02A (1.5M)(圖 19) |  |
| | | | UC-PRG030-02A (3M)(圖 19) | |
| | | | UC-PRG050-02A (5M)(圖 19) | |

21 COM (RS-232)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----------------------------------------------------------------------------------|-----|--------|----------------------------|------|
| DOP | -- | -- | DB9 公座 ↔ 8-PIN MINI-DIN 公座 | PLC |
|  | | | UC-MS020-06A (2M) (圖 4) | |
| | | | UC-MS030-06A (3M) (圖 4) | |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|------------------------------------------------------------------------------------|-----|--------|--------------------------|-------|
| DOP | -- | -- | DB9 公座 ↔ DB9 公座 | AS300 |
|  | | | UC-MS030-04A (3M) (圖 17) | |

22 COM (RS-232)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|--------|----------------------------|-------------------------------------------------------------------------------------|
| DOP | -- | -- | DB9 母座 ↔ 8-PIN MINI-DIN 公座 |  |
| | | | UC-MS010-02A (1M) (圖 1) | |
| | | | UC-MS020-01A (2M) (圖 2) | |
| | | | UC-MS030-01A (3M) (圖 2) | |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----|-----|--------|--------------------------|-------------------------------------------------------------------------------------|
| DOP | -- | -- | DB9 母座 ↔ DB9 公座 |  |
| | | | UC-MS030-03A (3M) (圖 18) | |

23 COM (RS-232)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|-----------------------------|-------------------------------------------------------------------------------------|
| DOP | DB9 公座 轉 DB9 公座 | -- | DB9 母座 ↔ DB9 公座 | AH500 |
|  |  | | UC-MS030-03A (3M)(圖 18) |  |

24 COM (RS-232)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|------------------------------------------------------------------------------------|-----|--------|----------------------------|--------------------------------------------------------------------------------------|
| PLC | -- | -- | 8-PIN MINI-DIN 公座 ↔ DB9 公座 | DMV |
|  | | | UC-MS020-06A (2M)(圖 4) |  |
| | | | UC-MS030-06A (3M)(圖 4) | |

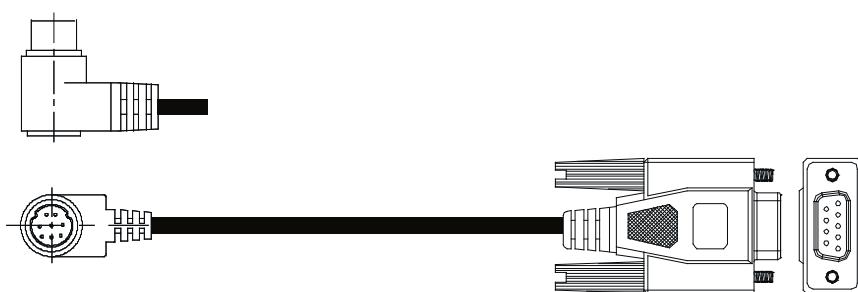
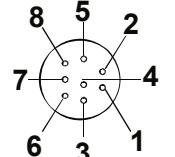
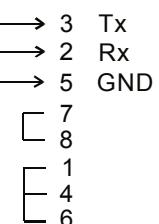
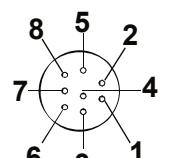
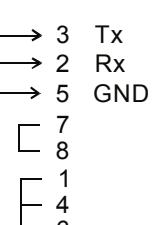
25 COM (RS-232)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-------------------------------------------------------------------------------------|-----|--------|-----------------------------|---------------------------------------------------------------------------------------|
| DOP | -- | -- | DB9 公座 ↔ DB9 公座 | DMV |
|  | | | UC-MS030-04A (3M)(圖 17) |  |

26 COM (RS-232)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|-----------------------------------------------------------------------------------|-----|--------|-----------------------------|-------------------------------------------------------------------------------------|
| DOP | -- | -- | DB9 公座 ↔ DB9 公座 | AS300 |
|  | | | UC-MS030-04A (3M)(圖 17) |  |

1.22 電纜型號說明

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----|---|---|----|----|---|---|---|----|-----|---|---|---|-----|----|------|--|--|--|
| 圖 1 | UC-MS010-02A (1M) | 8-PIN MINI-DIN 公座 (90 度) ↔ DB9 母座 | | | | | | | | | | | | | | | | | | | | |
| | |  <p>8-PIN MINI-DIN公座 ← → DB9 母座</p>  <table border="0"> <tr> <td>Rx</td> <td>4</td> <td>←</td> <td>3</td> <td>Tx</td> </tr> <tr> <td>Tx</td> <td>5</td> <td>←</td> <td>2</td> <td>Rx</td> </tr> <tr> <td>GND</td> <td>8</td> <td>←</td> <td>5</td> <td>GND</td> </tr> <tr> <td>5V</td> <td>1, 2</td> <td></td> <td></td> <td></td> </tr> </table>  | Rx | 4 | ← | 3 | Tx | Tx | 5 | ← | 2 | Rx | GND | 8 | ← | 5 | GND | 5V | 1, 2 | | | |
| Rx | 4 | ← | 3 | Tx | | | | | | | | | | | | | | | | | | |
| Tx | 5 | ← | 2 | Rx | | | | | | | | | | | | | | | | | | |
| GND | 8 | ← | 5 | GND | | | | | | | | | | | | | | | | | | |
| 5V | 1, 2 | | | | | | | | | | | | | | | | | | | | | |
| 圖 2 | UC-MS020-01A (2M) UC-MS030-01A (3M) | 8-PIN MINI-DIN 公座 ↔ DB9 母座 | | | | | | | | | | | | | | | | | | | | |
| | |  <p>8-PIN MINI-DIN公座 ← → DB9 母座</p>  <table border="0"> <tr> <td>Rx</td> <td>4</td> <td>←</td> <td>3</td> <td>Tx</td> </tr> <tr> <td>Tx</td> <td>5</td> <td>←</td> <td>2</td> <td>Rx</td> </tr> <tr> <td>GND</td> <td>8</td> <td>←</td> <td>5</td> <td>GND</td> </tr> <tr> <td>5V</td> <td>1, 2</td> <td></td> <td></td> <td></td> </tr> </table>  | Rx | 4 | ← | 3 | Tx | Tx | 5 | ← | 2 | Rx | GND | 8 | ← | 5 | GND | 5V | 1, 2 | | | |
| Rx | 4 | ← | 3 | Tx | | | | | | | | | | | | | | | | | | |
| Tx | 5 | ← | 2 | Rx | | | | | | | | | | | | | | | | | | |
| GND | 8 | ← | 5 | GND | | | | | | | | | | | | | | | | | | |
| 5V | 1, 2 | | | | | | | | | | | | | | | | | | | | | |

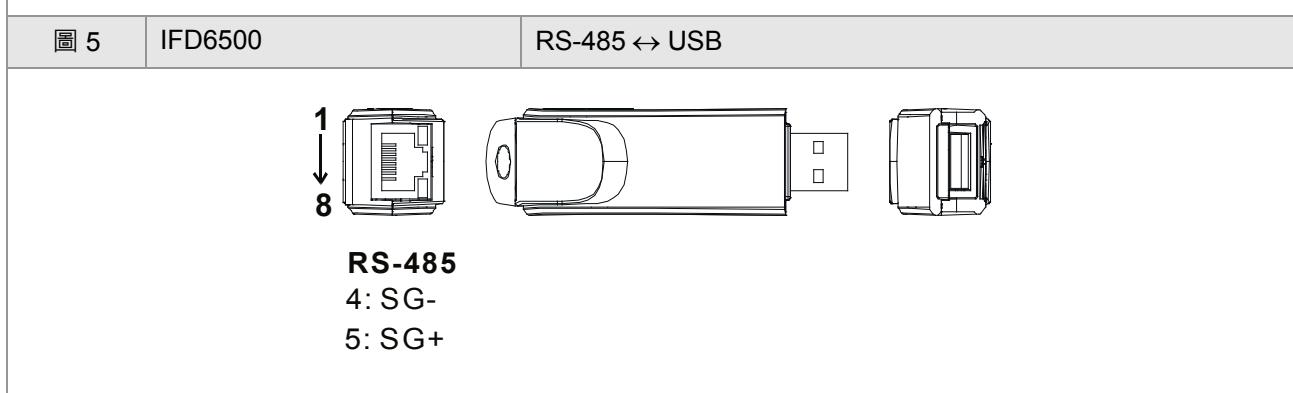
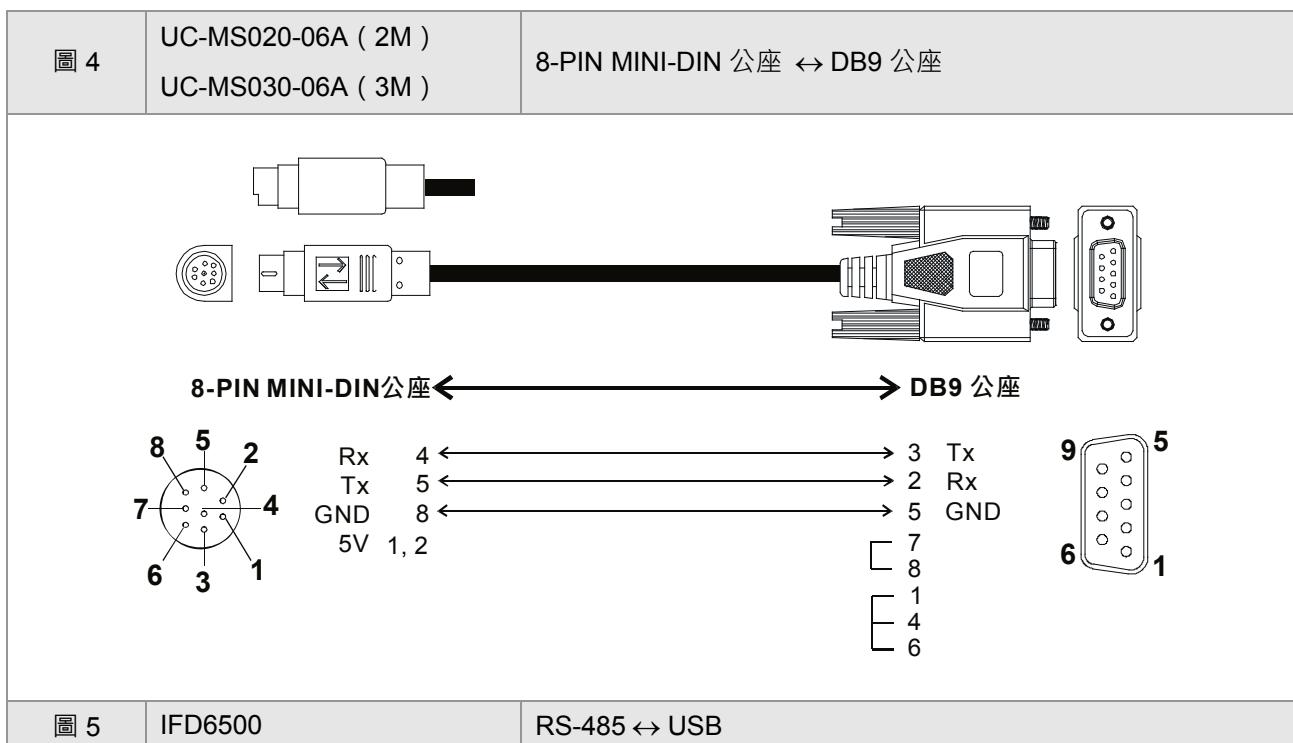
1

| | | |
|---------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 圖 3A | UC-PRG020-12A (2M) | 8-PIN MINI-DIN 公座 ↔ USB |
| (配件：轉接頭 DB9 公座轉 DB9 公座) | | |
| | | <p>8-PIN MINI-DIN公座</p> <p>4: Rx 5: Tx 8: GND</p> <p>USB</p> <p>1: +5V(RED) 2: D-(WHITE) 3: D+(GREEN) 4: GND(BLACK)</p> |

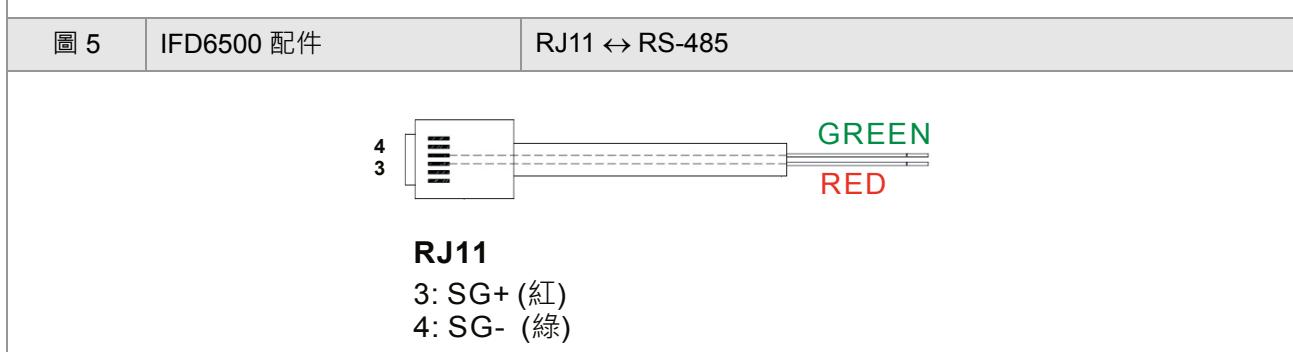
◆ 注意事項：USB 驅動程式相關說明請參考附錄 B。

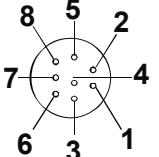
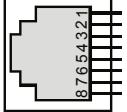
| | | |
|---------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 圖 3B | UC-PRG020-12A (2M) | DB9 母座 ↔ USB |
| (配件：轉接頭 DB9 公座轉 DB9 公座) | | |
| | | <p>DB9 母座</p> <p>2: Tx 3: Rx 5: GND 7: CTS 8: RTS</p> <p>USB</p> <p>1: +5V(RED) 2: D-(WHITE) 3: D+(GREEN) 4: GND(BLACK)</p> |

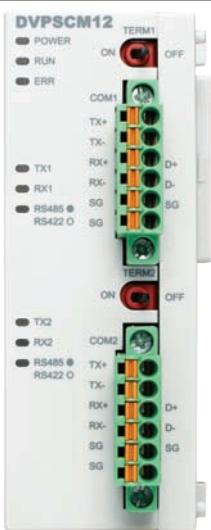
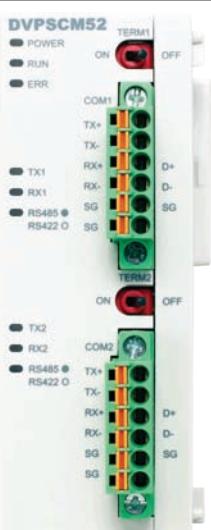
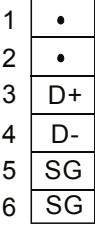
◆ 注意事項：USB 驅動程式相關說明請參考附錄 B。

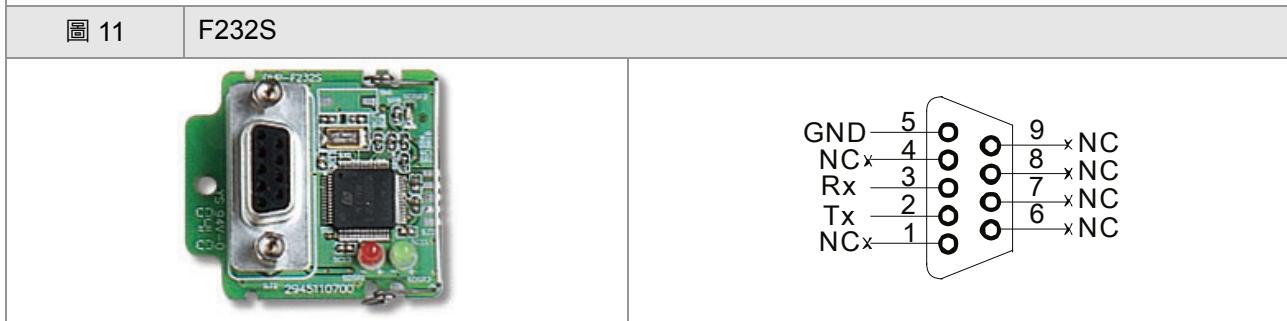
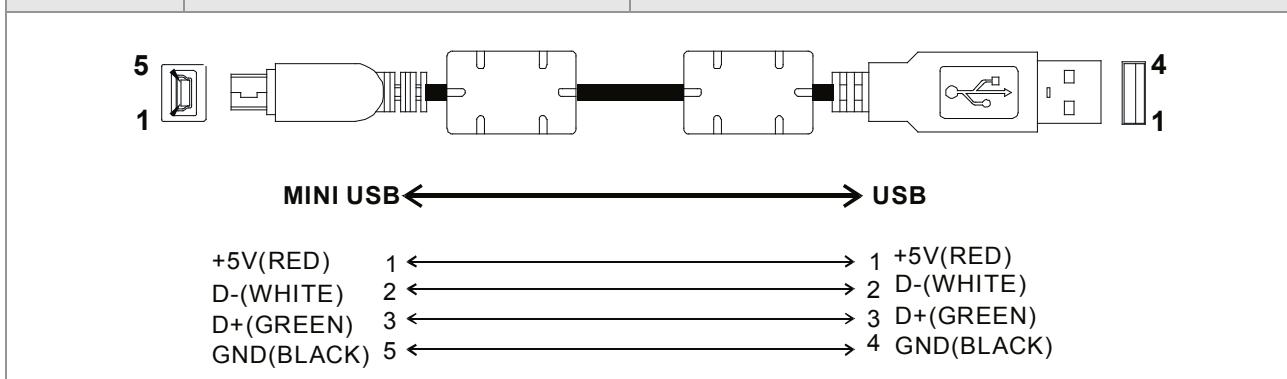


◆ 注意事項：USB 驅動程式相關說明請參考附錄 B。



| 圖 6 | IFD8500 | RS-485 ↔ RS-232 |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| RS-485/RS-422&電源輸入端子 | | RS-232 |
| 1: RS-485 DATA+ 2: RS-485 DATA- 3: -- 4: RS-422 TX+ 5: RS-422 TX- | 6: RS-422 RX+ 7: RS-422 RX- 8: -- 9: +Vs (電源正端輸入) 10: GND (電源負端輸入) | 2: Rx 3: Tx 5: GND |
| ◆ 注意事項：使用 RS-485 介面與 PLC 通訊時，須將軟體的站號與 PLC 站號設為相同。 | | |
| 圖 7 | UC-PRG030-20A (3M) | RJ45 ↔ RJ45 |
| |  <p>RJ45</p> <p>1: Tx+ 2: Tx- 3: Rx+ 4: Rx-</p> | <p>RJ45</p> <p>1: Tx+ 2: Tx- 3: Rx+ 4: Rx-</p> |
| 圖 8 | DVPEN01-SL | |
|  |  <p>4: Rx 5: Tx 8: GND</p> |  <p>1: Tx+ 2: Tx- 3: Rx+ 6: Rx-</p> |

| 圖 9 | DVPSCM12-SL/ DVPSCM52-SL | |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
|  DVPSCM12-SL |  DVPSCM52-SL |  1 • 2 • 3 D+ 4 D- 5 SG 6 SG |



1

圖 12

UC-PRG030-10A (3M)

DB9 母座 ↔ DB9 母座

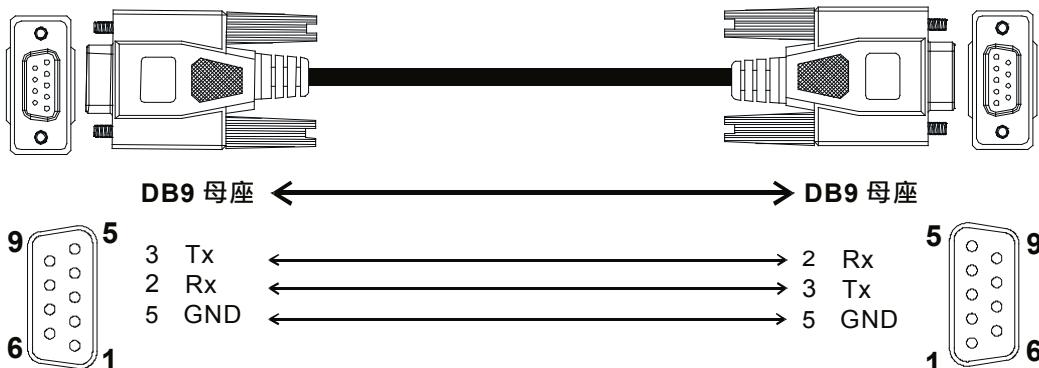


圖 12

UC-PRG030-10A (3M)

DB9 母座 ↔ DB9 母座 + Null Modem

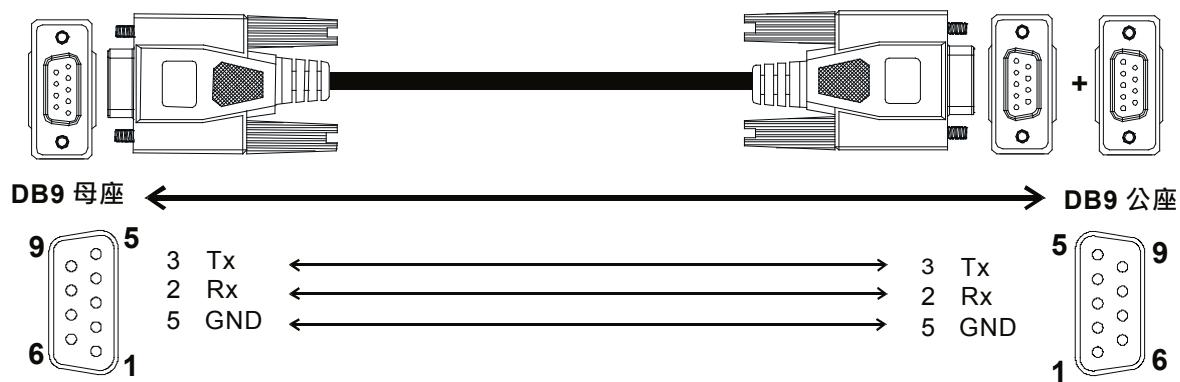
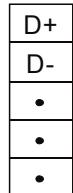


圖 13

F485S



D+ : 信號 + 端

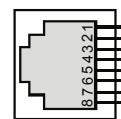
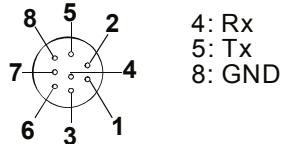
D- : 信號 - 端

圖 14

DVP-FEN01

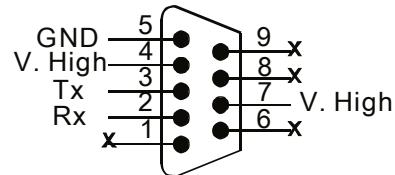
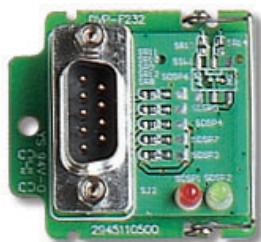


8-PIN MINI-DIN公座



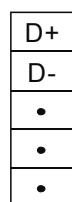
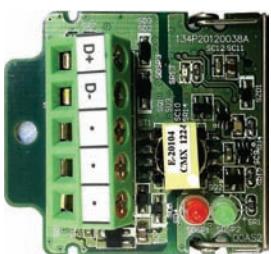
1: Tx+
2: Tx-
3: Rx+
6: Rx-

圖 15 F232



V. High 表示高電位,亦指邏輯1

圖 16 F485



D + : 信號 + 端

D - : 信號 - 端

圖 17 UC-MS030-04A (3M)

DB9 公座 ↔ DB9 公座

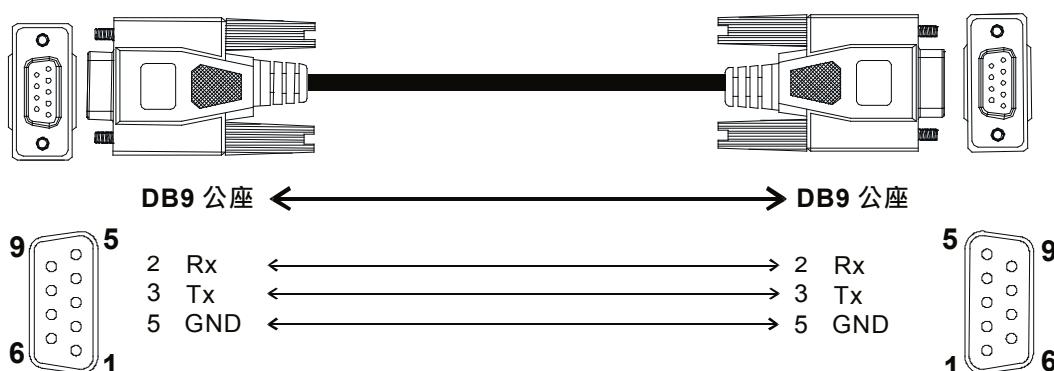
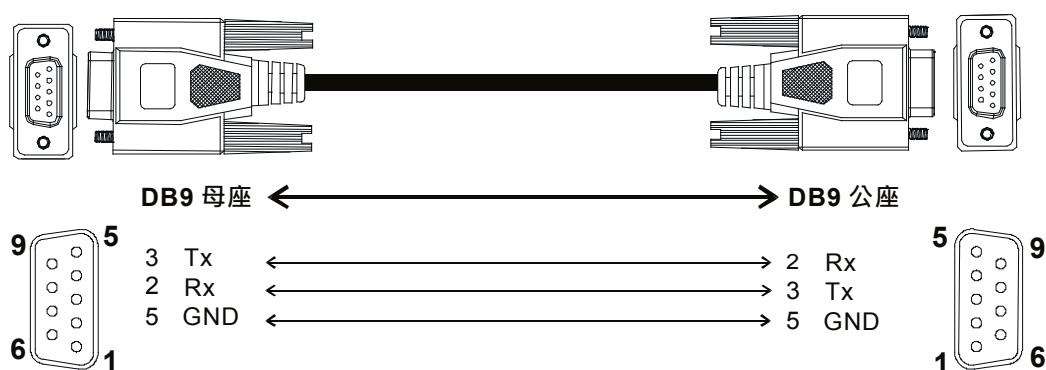


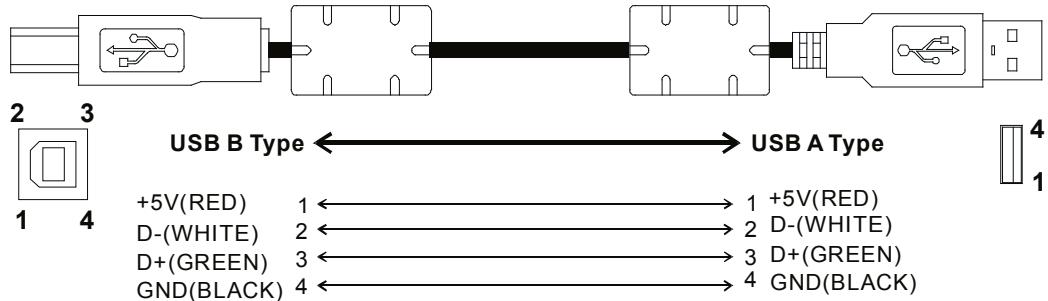
圖 18 UC-MS030-03A (3M)

DB9 母座 ↔ DB9 公座



1

| | | |
|------|----------------------------------------------------------------------------------------|-------------------------|
| 圖 19 | UC-PRG015-02A (1.5M) UC-PRG030-02A (3M) UC-PRG050-02A (5M)(only for DOP) | USB B TYPE ↔ USB A TYPE |
|------|----------------------------------------------------------------------------------------|-------------------------|



註：UC-PRG050-02A 僅限應用在注塑機專案，用於控制面板與控制器之間，以傳遞按鍵與觸控螢幕的資訊。

| | | |
|------|-----------|------------------------------------------------|
| 圖 20 | AH10EN-5A | <p>1: Tx+ 2: Tx- 3: Rx+ 6: Rx-</p> |
|------|-----------|------------------------------------------------|

| | | |
|------|------------|---------------------------------------------------------|
| 圖 21 | AH10SCM-5A | <p>1 • 2 • 3 D+ 4 D- 5 GND 6 FG</p> |
|------|------------|---------------------------------------------------------|

| | | |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 圖 22 | AS-F232 | |
| |  A black rectangular module with a green printed circuit board (PCB) visible at the top. It features a DB-9 female serial port connector on the right side. | 2: Rx 3: Tx 5: GND |
| 圖 23 | AS-F485 | |
| |  A black rectangular module with a green printed circuit board (PCB) visible at the top. It features a DB-9 female serial port connector on the right side. | 3: D+ 4: D- 5: SG |

MEMO

第2章 I/O 模組連接電纜

目錄

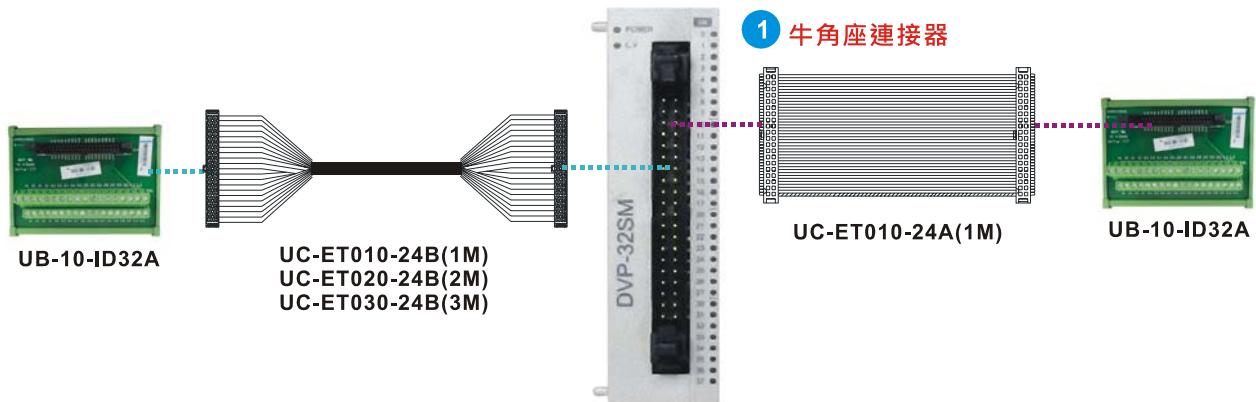
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2.1 DVP-Slim 系列

2.1.1 DVP32SM11N 機種

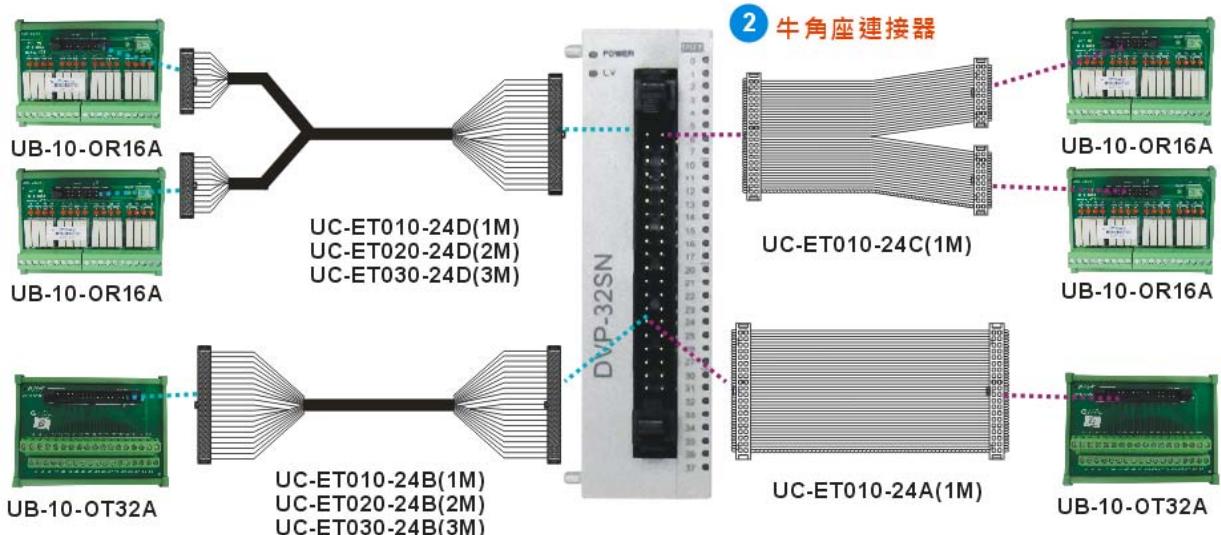
| | |
|------|-------------------------|
| 輸入形式 | 直流 (漏型 SINK 或源型 SOURCE) |
| 輸入電流 | 24 VDC · 5mA |



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.1.2 DVP32SN11TN 機種

| | |
|-------|-----------------|
| 輸出點類型 | 電晶體-T (漏型 SINK) |
| 電壓規格 | 12~24VDC · 0.1A |

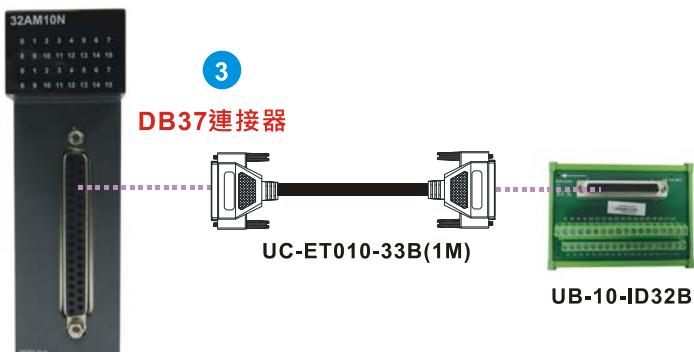


註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.2 AH500 系列

2.2.1 AH32AM10N-5B 機種

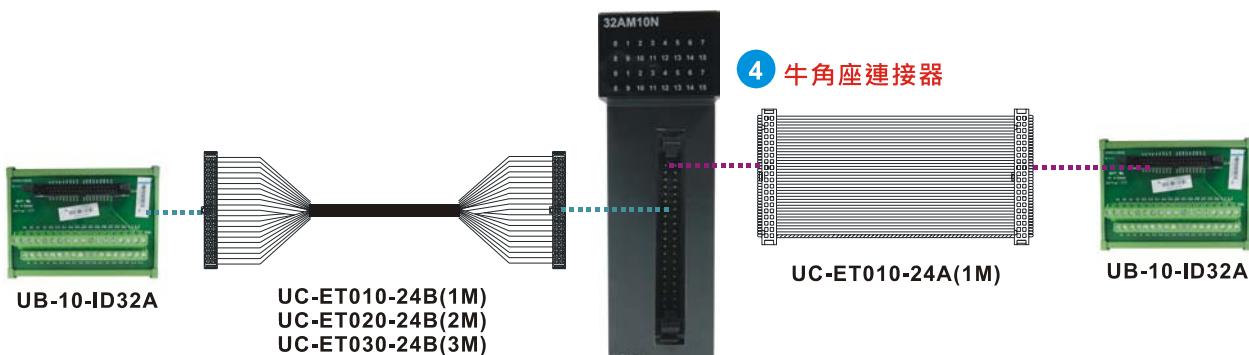
| | |
|------|-------------------------|
| 輸入形式 | 直流 (漏型 SINK 或源型 SOURCE) |
| 輸入電流 | 24 VDC · 5mA |



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.2.2 AH32AM10N-5C 機種

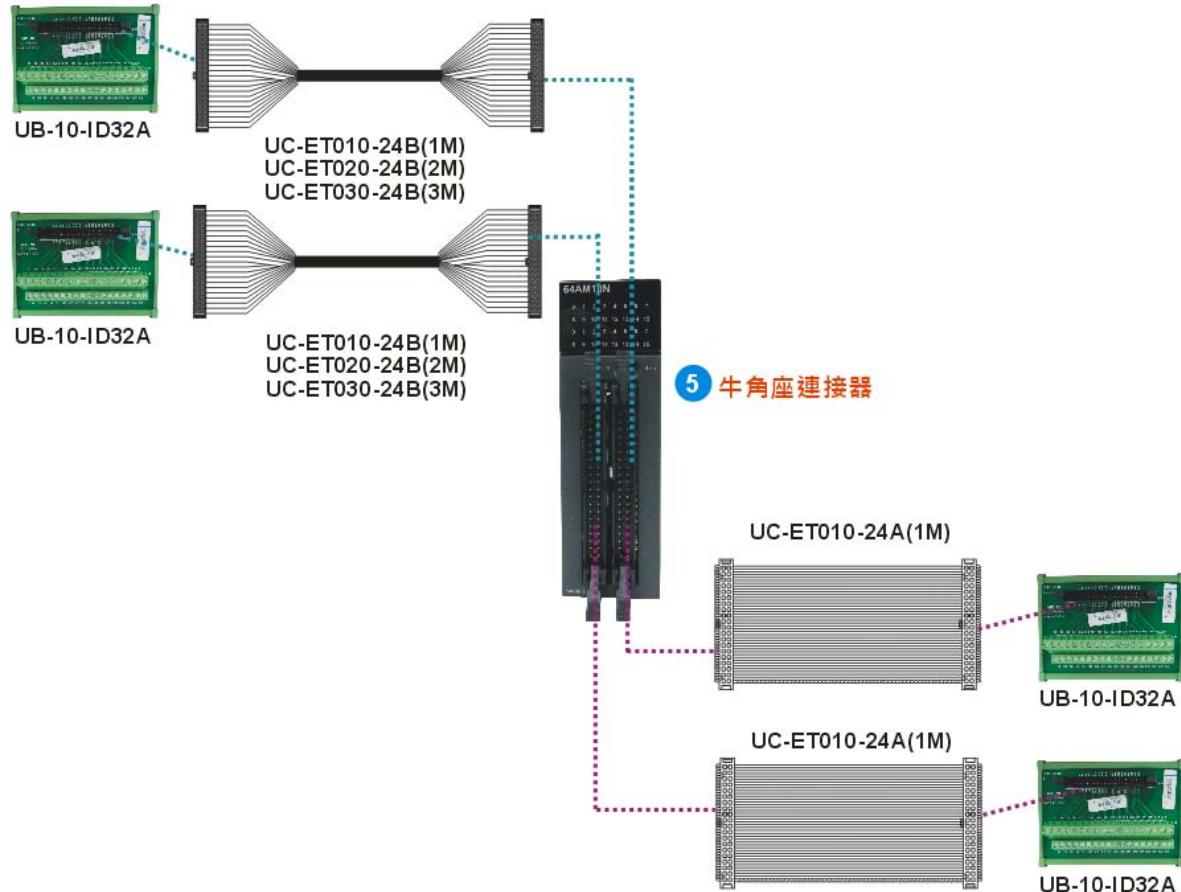
| | |
|------|-------------------------|
| 輸入形式 | 直流 (漏型 SINK 或源型 SOURCE) |
| 輸入電流 | 24 VDC · 5mA |



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.2.3 AH64AM10N-5C 機種

| | |
|------|-------------------------|
| 輸入形式 | 直流 (漏型 SINK 或源型 SOURCE) |
| 輸入電流 | 24 VDC · 5mA |

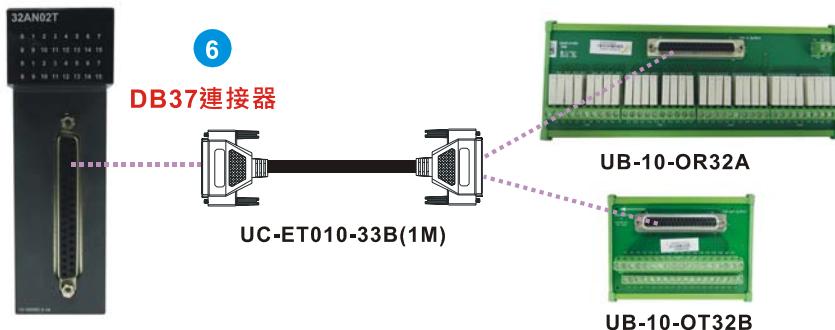


註：圖中的 ① ② ③ ... 等標號詳細說明請參考第 2.4 節。

2.2.4 AH32AN02T-5B 機種

| | |
|-------|-------------------|
| 輸出點類型 | 電晶體-T (漏型 SINK) |
| 電壓規格 | 12~24VDC · 0.1A |

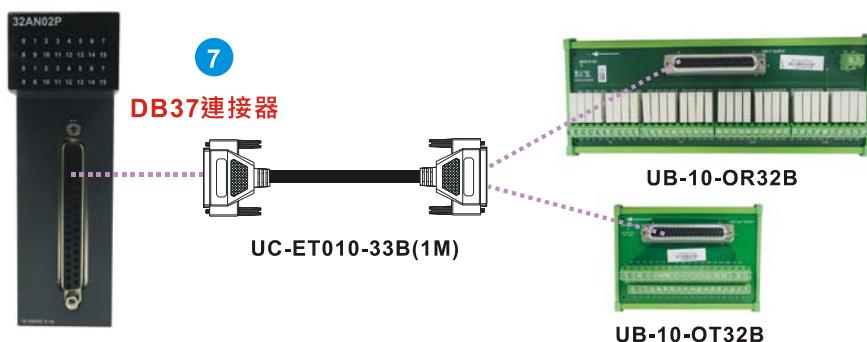
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註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.2.5 AH32AN02P-5B 機種

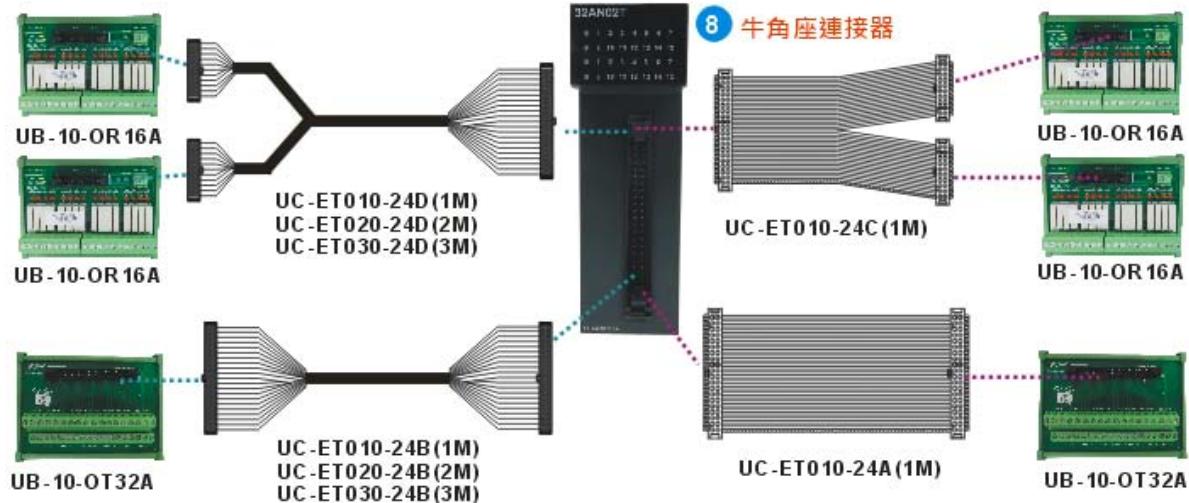
| | |
|-------|---------------------|
| 輸出點類型 | 電晶體-P (源型 SOURCE) |
| 電壓規格 | 12~24VDC · 0.1A |



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.2.6 AH32AN02T-5C 機種

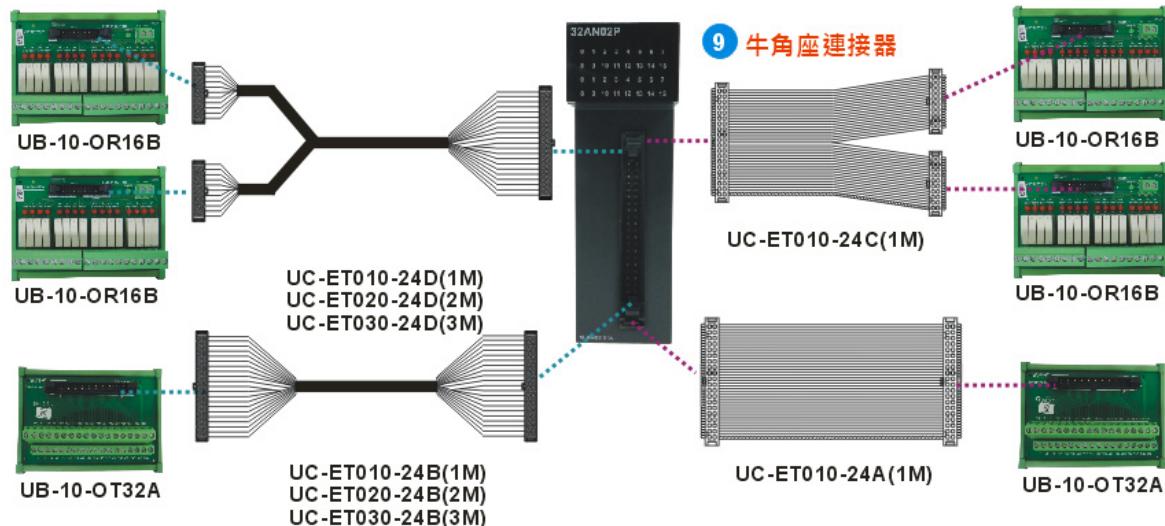
| | |
|-------|-----------------|
| 輸出點類型 | 電晶體-T (漏型 SINK) |
| 電壓規格 | 12~24VDC · 0.1A |



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.2.7 AH32AN02P-5C 機種

| | |
|-------|-------------------|
| 輸出點類型 | 電晶體-P (源型 SOURCE) |
| 電壓規格 | 12~24VDC · 0.1A |

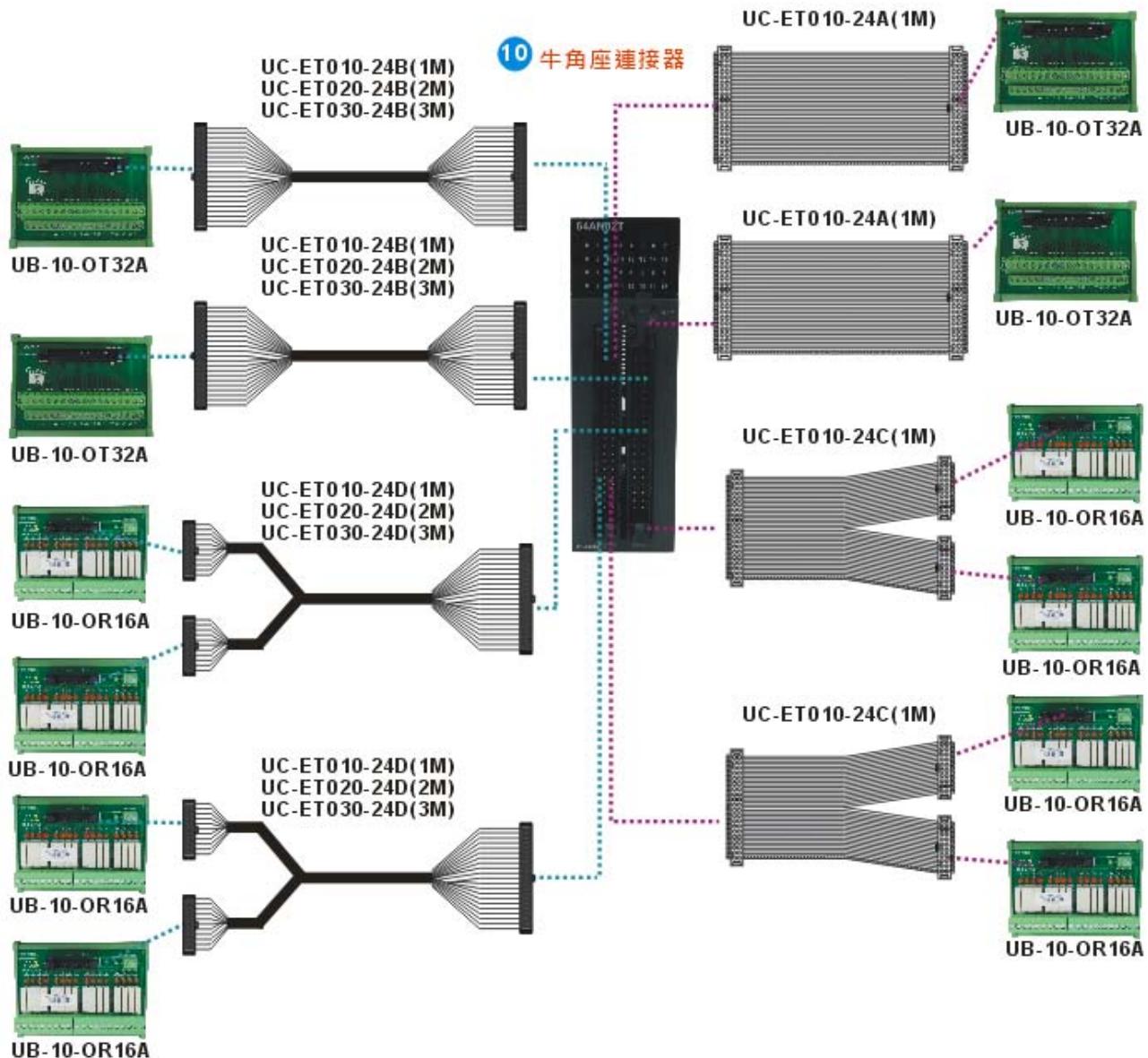


註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.2.8 AH64AN02T-5C 機種

| | |
|-------|-----------------|
| 輸出點類型 | 電晶體-T (漏型 SINK) |
| 電壓規格 | 12~24VDC · 0.1A |

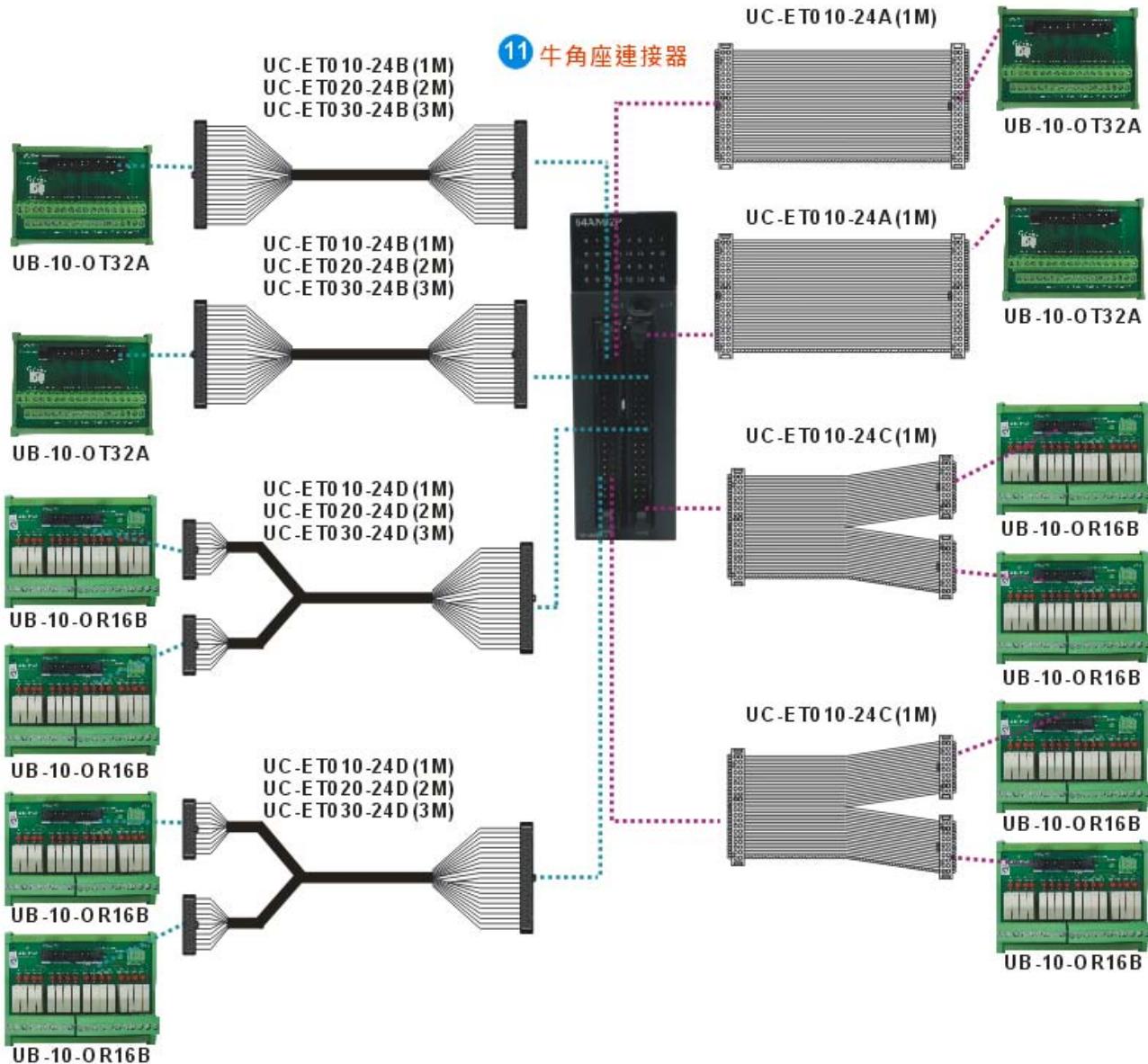
2



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.2.9 AH64AN02P-5C 機種

| | |
|-------|---------------------|
| 輸出點類型 | 電晶體-P (源型 SOURCE) |
| 電壓規格 | 12~24VDC · 0.1A |

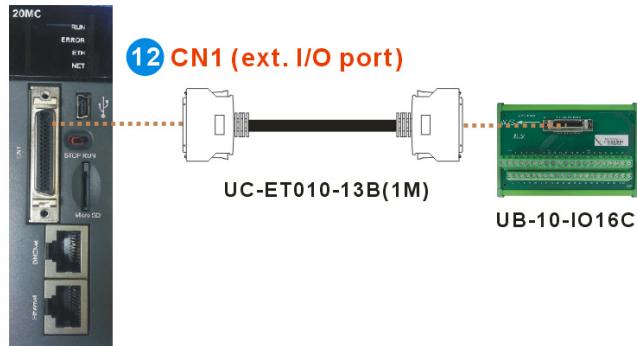


註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.2.10 AH20MC-5A 機種

| | |
|---------------|-----------------------------|
| 輸入點類型/電壓規格/頻率 | 差動輸入/5~24VDC · 15mA/200KHz |
| 輸出點類型/電壓規格/頻率 | 電晶體輸出/5~30VDC · 40mA/200KHz |

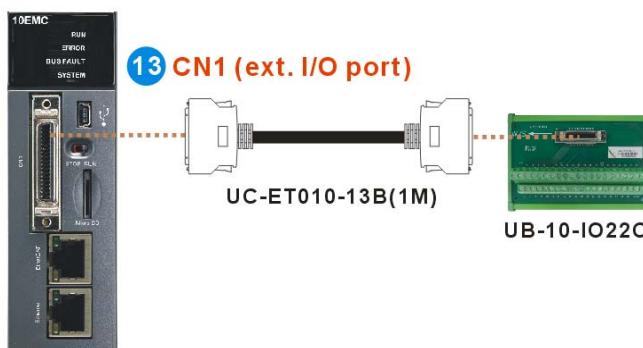
2



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.2.11 AH10EMC-5A/AH10DMC-5A/AH10CMC-5A/AH10PMC-5A 機種

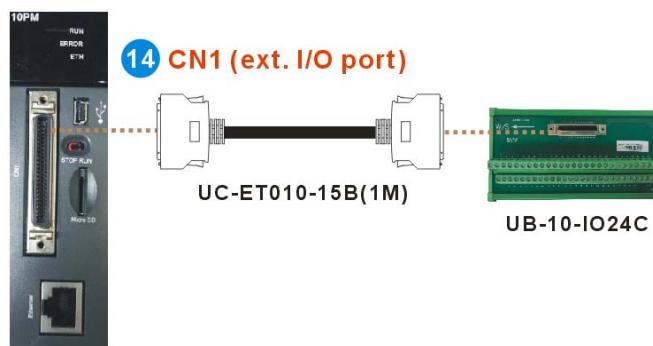
| | |
|---------------|---------------------------------------------------|
| 輸入點類型/電壓規格/頻率 | 差動輸入/5VDC · 1.5mA/1MHz 開集極/24VDC · 15mA/100KHz |
| 輸出點類型/電壓規格/頻率 | 電晶體輸出/5~30VDC · 40mA/200KHz |



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.2.12 AH10PM-5A 機種

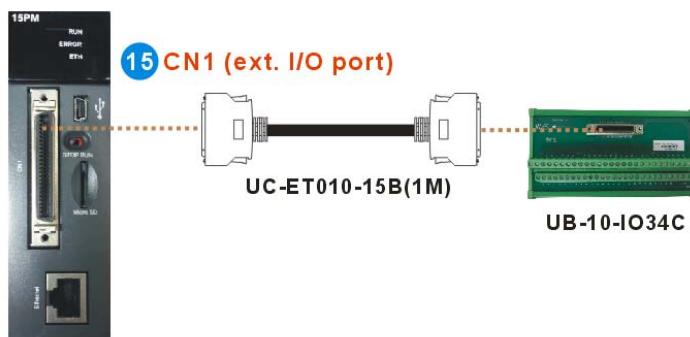
| | |
|---------------|-------------------------------------------------------|
| 輸入點類型/電壓規格/頻率 | 差動輸入/5~24VDC · 15mA/200KHz 開集極/24VDC · 15mA/100KHz |
| 輸出點類型/電壓規格/頻率 | 差動輸出/5VDC · 40mA/1MHz 電晶體輸出/5~30VDC · 40mA/200KHz |



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.2.13 AH15PM-5A 機種

| | |
|---------------|-------------------------------------------------------|
| 輸入點類型/電壓規格/頻率 | 差動輸入/5~24VDC · 15mA/200KHz 開集極/24VDC · 15mA/100KHz |
| 輸出點類型/電壓規格/頻率 | 差動輸出/5VDC · 40mA/1MHz 電晶體輸出/5~30VDC · 40mA/200KHz |

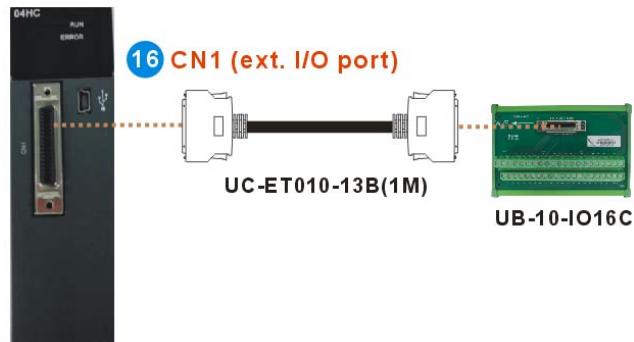


註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.2.14 AH04HC-5A 機種

| | |
|---------------|-----------------------------|
| 輸入點類型/電壓規格/頻率 | 差動輸入/5~24VDC · 15mA/200KHz |
| 輸出點類型/電壓規格/頻率 | 電晶體輸出/5~30VDC · 40mA/200KHz |

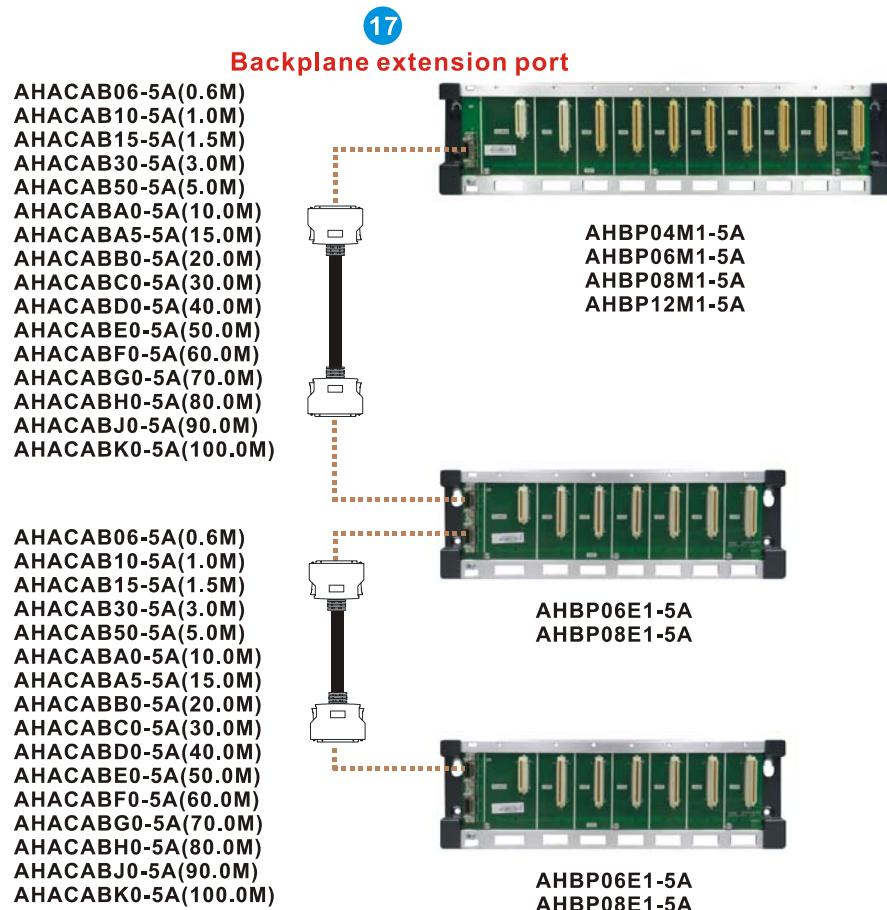
2



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.2.15 AH500 系列主背板

AH500 系列主背板 (AHBP04M1-5A、AHBP08M1-5A、AHBP12M1-5A)

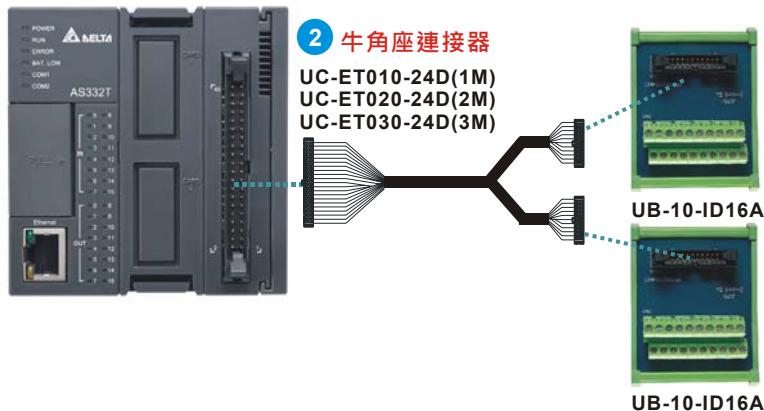


註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.3 AS300 系列

2.3.1 AS332T-A、AS332P-A、AS324MT-A 機種

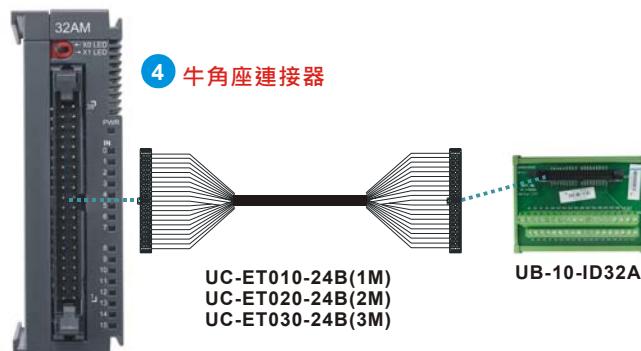
| | |
|------|--------------------------|
| 輸入形式 | 直流 (漏型 SINK 或源型 SOURCE) |
| 輸入電流 | 24 VDC · 5mA |



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.3.2 AS32AM10N-A 機種

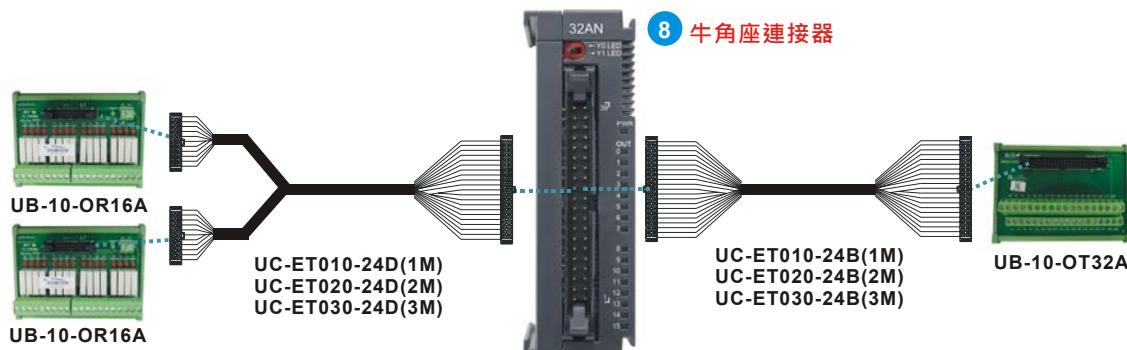
| | |
|------|--------------------------|
| 輸入形式 | 直流 (漏型 SINK 或源型 SOURCE) |
| 輸入電流 | 24 VDC · 5mA |



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.3.3 AS32AN02T-A 機種

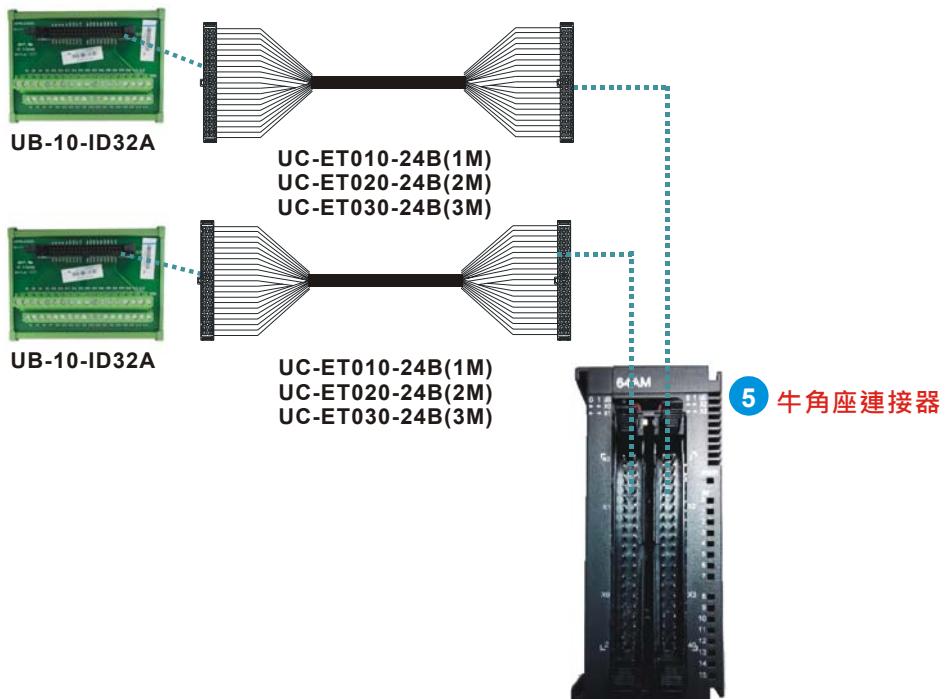
| | |
|-------|-----------------|
| 輸出點類型 | 電晶體-T (漏型 SINK) |
| 電壓規格 | 12~24VDC · 0.1A |



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.3.4 AS64AM10N-A 機種

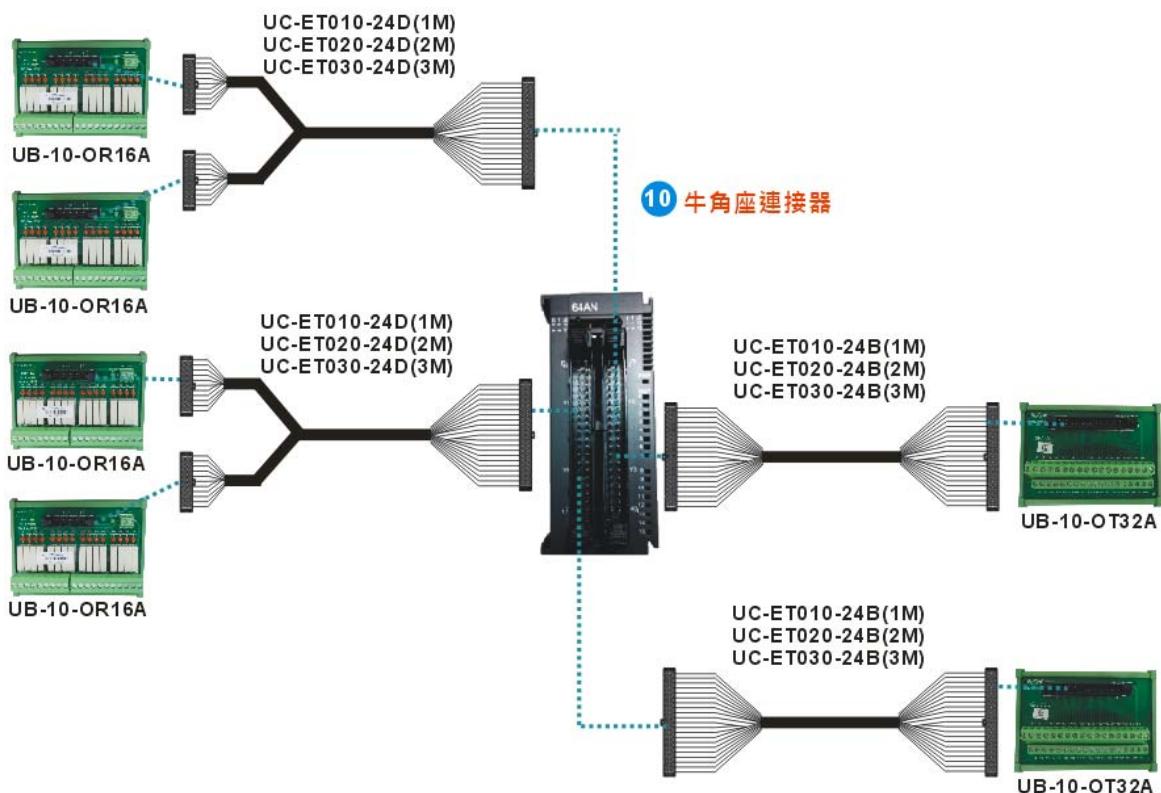
| | |
|------|-------------------------|
| 輸入形式 | 直流 (漏型 SINK 或源型 SOURCE) |
| 輸入電流 | 24 VDC · 5mA |



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.3.5 AS64AN02T-A 機種

| | |
|-------|-----------------|
| 輸出點類型 | 電晶體-T (漏型 SINK) |
| 電壓規格 | 12~24VDC · 0.1A |



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 2.4 節。

2.4 電纜接線型號

1 牛角座連接器

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| -- | -- | DVP32SM11N | IDC 40↔IDC 40 | UB-10-ID32A (圖 2) |
| | |  | UC-ET010-24A (1M)(圖 1A) UC-ET010-24B (1M)(圖 1B) UC-ET020-24B (2M)(圖 1B) UC-ET030-24B (3M)(圖 1B) |  |

2 牛角座連接器

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| -- | -- | DVP32SN11TN | IDC 40↔IDC 40 | UB-10-OT32A (圖 3) |
| | |  | UC-ET010-24A (1M)(圖 1A) UC-ET010-24B (1M)(圖 1B) UC-ET020-24B (2M)(圖 1B) UC-ET030-24B (3M)(圖 1B) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| -- | -- | DVP32SN11TN | IDC 40↔IDC 20x2 | UB-10-OR16A (圖 5) |
| | |  | UC-ET010-24C (1M)(圖 4A) UC-ET010-24D (1M)(圖 4B) UC-ET020-24D (2M)(圖 4B) UC-ET030-24D (3M)(圖 4B) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|-------------------------------------------------------------------------------------|-----|--------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| AS300 | -- | -- | IDC 40 ↔ IDC 20x2 | UB-10-ID16A (圖 19) |
|  | | | UC-ET010-24D (1M)(圖 4B) UC-ET020-24D (2M)(圖 4B) UC-ET030-24D (3M)(圖 4B) |  |

3 DB37 連接器

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------|
| -- | -- | AH32AM10N-5B | DB37 公座 ↔ DB37 公座 | UB-10-ID32B (圖 7) |
| | |  | UC-ET010-33B (1M)(圖 6) |  |

4 牛角座連接器

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| -- | -- | AH32AM10N-5C | IDC 40 ↔ IDC 40 | UB-10-ID32A (圖 2) |
| | |  | UC-ET010-24A (1M)(圖 1A) UC-ET010-24B (1M)(圖 1B) UC-ET020-24B (2M)(圖 1B) UC-ET030-24B (3M)(圖 1B) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| -- | -- | AS32AM10N-A | IDC 40 ↔ IDC 40 | UB-10-ID32A (圖 2) |
| | |  | UC-ET010-24B (1M)(圖 1B) UC-ET020-24B (2M)(圖 1B) UC-ET030-24B (3M)(圖 1B) |  |

5 牛角座連接器

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| -- | -- | AH64AM10N-5C | IDC 40 ↔ IDC 40 | UB-10-ID32A (圖 2) |
| | |  | UC-ET010-24A (1M)(圖 1A) UC-ET010-24B (1M)(圖 1B) UC-ET020-24B (2M)(圖 1B) UC-ET030-24B (3M)(圖 1B) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-------------|-----------------|------------------------|
| -- | -- | AS64AM10N-A | IDC 40 ↔ IDC 40 | UB-10-ID32A (圖 2) |

6 DB37 連接器

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|--------------|-------------------|--------------------------------------------------|
| -- | -- | AH32AN02T-5B | DB37 公座 ↔ DB37 公座 | UB-10-OR32A (圖 8) UB-10-OT32B (圖 9) |

7 DB37 連接器

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-----------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------|
| -- | -- | AH32AN02P-5B | DB37 公座 ↔ DB37 公座 | UB-10-OR32B (圖 10) UB-10-OT32B (圖 9) |
| | |  | UC-ET010-33B (1M)(圖 6) |  |

8 牛角座連接器

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| -- | -- | AH32AN02T-5C | IDC 40 ↔ IDC 40 | UB-10-OT32A (圖 3) |
| | |  | UC-ET010-24A (1M)(圖 1A) UC-ET010-24B (1M)(圖 1B) UC-ET020-24B (2M)(圖 1B) UC-ET030-24B (3M)(圖 1B) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| -- | -- | AH32AN02T-5C | IDC 40 ↔ IDC 20x2 | UB-10-OR16A (圖 5) |
| | |  | UC-ET010-24C (1M)(圖 4A) UC-ET010-24D (1M)(圖 4B) UC-ET020-24D (2M)(圖 4B) UC-ET030-24D (3M)(圖 4B) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| -- | -- | AS32AN02T-A | IDC 40 ↔ IDC 40 | UB-10-OT32A (圖 3) |
| 2 | |  | UC-ET010-24B (1M)(圖 1B) UC-ET020-24B (2M)(圖 1B) UC-ET030-24B (3M)(圖 1B) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| -- | -- | AS32AN02T-A | IDC 40 ↔ IDC 20x2 | UB-10-OR16A (圖 5) |
| | |  | UC-ET010-24D (1M)(圖 4B) UC-ET020-24D (2M)(圖 4B) UC-ET030-24D (3M)(圖 4B) |  |

9 牛角座連接器

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| -- | -- | AH32AN02P-5C | IDC 40 ↔ IDC 40 | UB-10-OT32A (圖 3) |
| | |  | UC-ET010-24A (1M)(圖 1A) UC-ET010-24B (1M)(圖 1B) UC-ET020-24B (2M)(圖 1B) UC-ET030-24B (3M)(圖 1B) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| -- | -- | AH32AN02P-5C | IDC 40 ↔ IDC 20x2 | UB-10-OR16B (圖 11) |
| | |  | UC-ET010-24C (1M)(圖 4A) UC-ET010-24D (1M)(圖 4B) UC-ET020-24D (2M)(圖 4B) UC-ET030-24D (3M)(圖 4B) |  |

10 牛角座連接器

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| -- | -- | AH64AN02T-5C | IDC 40 ↔ IDC 40 | UB-10-OT32A (圖 3) |
| | |  | UC-ET010-24A (1M)(圖 1A) UC-ET010-24B (1M)(圖 1B) UC-ET020-24B (2M)(圖 1B) UC-ET030-24B (3M)(圖 1B) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| -- | -- | AH64AN02T-5C | IDC 40 ↔ IDC 20x2 | UB-10-OR16A (圖 5) |
| | |  | UC-ET010-24C (1M)(圖 4A) UC-ET010-24D (1M)(圖 4B) UC-ET020-24D (2M)(圖 4B) UC-ET030-24D (3M)(圖 4B) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| -- | -- | AS64AN02T-A | IDC 40 ↔ IDC 40 | UB-10-OT32A (圖 3) |
| | |  | UC-ET010-24B (1M)(圖 1B) UC-ET020-24B (2M)(圖 1B) UC-ET030-24B (3M)(圖 1B) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| -- | -- | AS64AN02T-A | IDC 40 ↔ IDC 20x2 | UB-10-OR16A (圖 5) |
| | |  | UC-ET010-24D (1M)(圖 4B) UC-ET020-24D (2M)(圖 4B) UC-ET030-24D (3M)(圖 4B) |  |

11 牛角座連接器

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| -- | -- | AH64AN02P-5C | IDC 40 ↔ IDC 40 | UB-10-OT32A (圖 3) |
| | |  | UC-ET010-24A (1M)(圖 1A) UC-ET010-24B (1M)(圖 1B) UC-ET020-24B (2M)(圖 1B) UC-ET030-24B (3M)(圖 1B) |  |

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| -- | -- | AH64AN02P-5C | IDC 40 ↔ IDC 20x2 | UB-10-OR16B (圖 11) |
| | |  | UC-ET010-24C (1M)(圖 4A) UC-ET010-24D (1M)(圖 4B) UC-ET020-24D (2M)(圖 4B) UC-ET030-24D (3M)(圖 4B) |  |

12 CN1 (ext. I/O port)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------|
| -- | -- | AH20MC-5A | MDR36 母座 ↔ MDR36 母座 | UB-10-IO16C (圖 13) |
| | |  | UC-ET010-13B (1M)(圖 12) |  |

13 CN1 (ext. I/O port)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|-------------------------------------------------------------------------------------|-----|--------|-----------------------------|---------------------------------------------------------------------------------------|
| AH10EMC-5A | -- | -- | MDR36 母座 ↔ MDR36 母座 | UB-10-IO22C (圖 14) |
|  | | | UC-ET010-13B (1M)(圖 12) |  |

14 CN1 (ext. I/O port)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-----------|----------------------------------------------------|-------------------------|
| -- | -- | AH10PM-5A | MDR50 母座 ↔ MDR50 母座 UC-ET010-15B (1M)(圖 15) | UB-10-IO24C (圖 16) |

15 CN1 (ext. I/O port)

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-----------|----------------------------------------------------|-------------------------|
| -- | -- | AH15PM-5A | MDR50 母座 ↔ MDR50 母座 UC-ET010-15B (1M)(圖 15) | UB-10-IO34C (圖 17) |

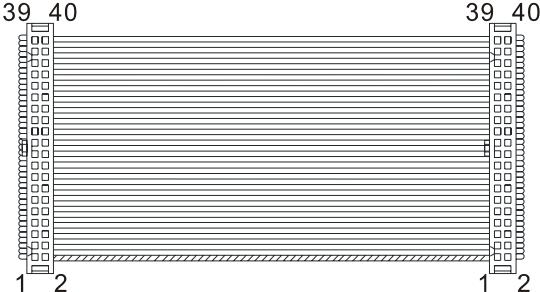
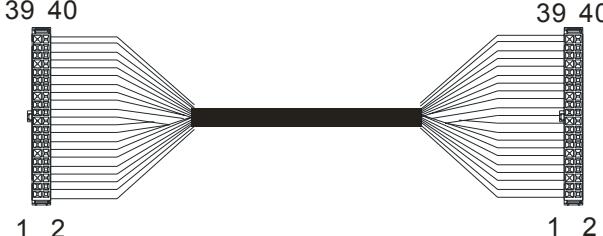
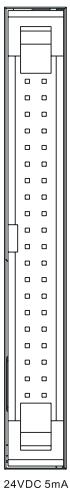
16 CN1 (ext. I/O port)

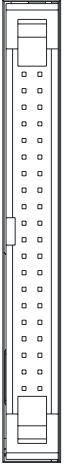
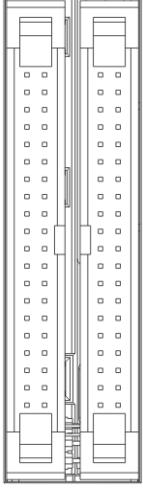
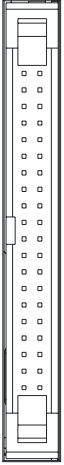
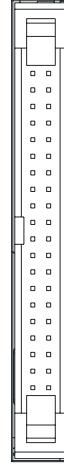
| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|-----------|----------------------------------------------------|-------------------------|
| -- | -- | AH04HC-5A | MDR36 母座 ↔ MDR36 母座 UC-ET010-13B (1M)(圖 12) | UB-10-IO16C (圖 13) |

17 Backplane extension port

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 配線模組 |
|----|-----|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| -- | -- | AHBP04M1-5A AHBP06M1-5A AHBP08M1-5A AHBP12M1-5A | MDR20 公座 ↔ MDR20 公座 | AHBP06E1-5A AHBP08E1-5A |
| | | |  AHACAB06-5A (0.6M)(圖 18) AHACAB10-5A (1M)(圖 18) AHACAB15-5A (1.5M)(圖 18) AHACAB30-5A (3M)(圖 18) AHACAB50-5A (5M)(圖 18) AHACABA0-5A (10M)(圖 18) AHACABA5-5A (15M)(圖 18) AHACABB0-5A (20M)(圖 18) AHACABC0-5A (30M)(圖 18) AHACABD0-5A (40M)(圖 18) AHACABE0-5A (50M)(圖 18) AHACABF0-5A (60M)(圖 18) AHACABG0-5A (70M)(圖 18) AHACABH0-5A (80M)(圖 18) AHACABJ0-5A (90M)(圖 18) AHACABK0-5A (100M)(圖 18) |  |

2.5 電纜型號說明

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 圖 1A | UC-ET010-24A (1M) | IDC 40 ↔ IDC 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 |  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 圖 1B | UC-ET010-24B (1M) UC-ET020-24B (2M) UC-ET030-24B (3M) | IDC 40 ↔ IDC 40 (SHIELD) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| AH32AM10N-5C | | AH64AM10N-5C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <table border="1"> <tbody> <tr><td>X0.0</td><td>X0.1</td></tr> <tr><td>X0.2</td><td>X0.3</td></tr> <tr><td>X0.4</td><td>X0.5</td></tr> <tr><td>X0.6</td><td>X0.7</td></tr> <tr><td>X0.8</td><td>X0.9</td></tr> <tr><td>X0.10</td><td>X0.11</td></tr> <tr><td>X0.12</td><td>X0.13</td></tr> <tr><td>X0.14</td><td>X0.15</td></tr> <tr><td>S/S</td><td>S/S</td></tr> <tr><td></td><td></td></tr> <tr><td>X1.0</td><td>X1.1</td></tr> <tr><td>X1.2</td><td>X1.3</td></tr> <tr><td>X1.4</td><td>X1.5</td></tr> <tr><td>X1.6</td><td>X1.7</td></tr> <tr><td>X1.8</td><td>X1.9</td></tr> <tr><td>X1.10</td><td>X1.11</td></tr> <tr><td>X1.12</td><td>X1.13</td></tr> <tr><td>X1.14</td><td>X1.15</td></tr> <tr><td>S/S</td><td>S/S</td></tr> <tr><td></td><td></td></tr> </tbody> </table> | X0.0 | X0.1 | X0.2 | X0.3 | X0.4 | X0.5 | X0.6 | X0.7 | X0.8 | X0.9 | X0.10 | X0.11 | X0.12 | X0.13 | X0.14 | X0.15 | S/S | S/S | | | X1.0 | X1.1 | X1.2 | X1.3 | X1.4 | X1.5 | X1.6 | X1.7 | X1.8 | X1.9 | X1.10 | X1.11 | X1.12 | X1.13 | X1.14 | X1.15 | S/S | S/S | | | <table border="1"> <tbody> <tr><td></td><td></td><td>X2.0</td><td>X2.1</td></tr> <tr><td>S/S</td><td>S/S</td><td>X2.2</td><td>X2.3</td></tr> <tr><td>X1.15</td><td>X1.14</td><td>X2.4</td><td>X2.5</td></tr> <tr><td>X1.13</td><td>X1.12</td><td>X2.6</td><td>X2.7</td></tr> <tr><td>X1.11</td><td>X1.10</td><td>X2.8</td><td>X2.9</td></tr> <tr><td>X1.9</td><td>X1.8</td><td>X2.10</td><td>X2.11</td></tr> <tr><td>X1.7</td><td>X1.6</td><td>X2.12</td><td>X2.13</td></tr> <tr><td>X1.5</td><td>X1.4</td><td>X2.14</td><td>X2.15</td></tr> <tr><td>X1.3</td><td>X1.2</td><td>S/S</td><td>S/S</td></tr> <tr><td>X1.1</td><td>X1.0</td><td></td><td></td></tr> <tr><td></td><td></td><td>X3.0</td><td>X3.1</td></tr> <tr><td>S/S</td><td>S/S</td><td>X3.2</td><td>X3.3</td></tr> <tr><td>X0.15</td><td>X0.14</td><td>X3.4</td><td>X3.5</td></tr> <tr><td>X0.13</td><td>X0.12</td><td>X3.6</td><td>X3.7</td></tr> <tr><td>X0.11</td><td>X0.10</td><td>X3.8</td><td>X3.9</td></tr> <tr><td>X0.9</td><td>X0.8</td><td>X3.10</td><td>X3.11</td></tr> <tr><td>X0.7</td><td>X0.6</td><td>X3.12</td><td>X3.13</td></tr> <tr><td>X0.5</td><td>X0.4</td><td>X3.14</td><td>X3.15</td></tr> <tr><td>X0.3</td><td>X0.2</td><td>S/S</td><td>S/S</td></tr> <tr><td>X0.1</td><td>X0.0</td><td></td><td></td></tr> </tbody> </table> | | | X2.0 | X2.1 | S/S | S/S | X2.2 | X2.3 | X1.15 | X1.14 | X2.4 | X2.5 | X1.13 | X1.12 | X2.6 | X2.7 | X1.11 | X1.10 | X2.8 | X2.9 | X1.9 | X1.8 | X2.10 | X2.11 | X1.7 | X1.6 | X2.12 | X2.13 | X1.5 | X1.4 | X2.14 | X2.15 | X1.3 | X1.2 | S/S | S/S | X1.1 | X1.0 | | | | | X3.0 | X3.1 | S/S | S/S | X3.2 | X3.3 | X0.15 | X0.14 | X3.4 | X3.5 | X0.13 | X0.12 | X3.6 | X3.7 | X0.11 | X0.10 | X3.8 | X3.9 | X0.9 | X0.8 | X3.10 | X3.11 | X0.7 | X0.6 | X3.12 | X3.13 | X0.5 | X0.4 | X3.14 | X3.15 | X0.3 | X0.2 | S/S | S/S | X0.1 | X0.0 | | |
| X0.0 | X0.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.2 | X0.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.4 | X0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.6 | X0.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.8 | X0.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.10 | X0.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.12 | X0.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.14 | X0.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| X1.0 | X1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.2 | X1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.4 | X1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.6 | X1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.8 | X1.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.10 | X1.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.12 | X1.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.14 | X1.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | X2.0 | X2.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/S | S/S | X2.2 | X2.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.15 | X1.14 | X2.4 | X2.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.13 | X1.12 | X2.6 | X2.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.11 | X1.10 | X2.8 | X2.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.9 | X1.8 | X2.10 | X2.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.7 | X1.6 | X2.12 | X2.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.5 | X1.4 | X2.14 | X2.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.3 | X1.2 | S/S | S/S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.1 | X1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X3.0 | X3.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/S | S/S | X3.2 | X3.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.15 | X0.14 | X3.4 | X3.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.13 | X0.12 | X3.6 | X3.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.11 | X0.10 | X3.8 | X3.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.9 | X0.8 | X3.10 | X3.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.7 | X0.6 | X3.12 | X3.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.5 | X0.4 | X3.14 | X3.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.3 | X0.2 | S/S | S/S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.1 | X0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| AH32AN02T-5C/AH32AN02P-5C | | AH64AN02T-5C/AH64AN02P-5C | |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Y0.0 Y0.1 Y0.2 Y0.3 Y0.4 Y0.5 Y0.6 Y0.7 Y0.8 Y0.9 Y0.10 Y0.11 Y0.12 Y0.13 Y0.14 Y0.15 ZP ZP UP UP Y1.0 Y1.1 Y1.2 Y1.3 Y1.4 Y1.5 Y1.6 Y1.7 Y1.8 Y1.9 Y1.10 Y1.11 Y1.12 Y1.13 Y1.14 Y1.15 ZP ZP UP UP |  24VDC 3.2mA | UP UP Y2.0 Y2.1 ZP ZP Y2.2 Y2.3 Y1.15 Y1.14 Y2.4 Y2.5 Y1.13 Y1.12 Y2.6 Y2.7 Y1.11 Y1.10 Y2.8 Y2.9 Y1.9 Y1.8 Y2.10 Y2.11 Y1.7 Y1.6 Y2.12 Y2.13 Y1.5 Y1.4 Y2.14 Y2.15 Y1.3 Y1.2 ZP ZP Y1.1 Y1.0 UP UP UP UP Y3.0 Y3.1 ZP ZP Y3.2 Y3.3 Y0.15 Y0.14 Y3.4 Y3.5 Y0.13 Y0.12 Y3.6 Y3.7 Y0.11 Y0.10 Y3.8 Y3.9 Y0.9 Y0.8 Y3.10 Y3.11 Y0.7 Y0.6 Y3.12 Y3.13 Y0.5 Y0.4 Y3.14 Y3.15 Y0.3 Y0.2 ZP ZP Y0.1 Y0.0 UP UP |
| DVP32SM11N | | DVP32SN11TN | |
|  | X0 X1 X2 X3 X4 X5 X6 X7 X10 X11 X12 X13 X14 X15 X16 X17 S/S S/S X20 X21 X22 X23 X24 X25 X26 X27 X30 X31 X32 X33 X34 X35 X36 X37 S/S S/S |  12~24VDC 0.1A | Y0 Y1 Y2 Y3 Y4 Y5 Y6 Y7 Y10 Y11 Y12 Y13 Y14 Y15 Y16 Y17 S/S S/S Y20 Y21 Y22 Y23 Y24 Y25 Y26 Y27 Y30 Y31 Y32 Y33 Y34 Y35 Y36 Y37 S/S S/S |

| AS32AM10N-A | | | | AS32AN02T-A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <table border="1"> <tr><td>S/S</td><td>S/S</td><td></td><td></td></tr> <tr><td>X1.15</td><td>X1.14</td><td></td><td></td></tr> <tr><td>X1.13</td><td>X1.12</td><td></td><td></td></tr> <tr><td>X1.11</td><td>X1.10</td><td></td><td></td></tr> <tr><td>X1.9</td><td>X1.8</td><td></td><td></td></tr> <tr><td>X1.7</td><td>X1.6</td><td></td><td></td></tr> <tr><td>X1.5</td><td>X1.4</td><td></td><td></td></tr> <tr><td>X1.3</td><td>X1.2</td><td></td><td></td></tr> <tr><td>X1.1</td><td>X1.0</td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td>S/S</td><td>S/S</td><td></td><td></td></tr> <tr><td>X0.15</td><td>X0.14</td><td></td><td></td></tr> <tr><td>X0.13</td><td>X0.12</td><td></td><td></td></tr> <tr><td>X0.11</td><td>X0.10</td><td></td><td></td></tr> <tr><td>X0.9</td><td>X0.8</td><td></td><td></td></tr> <tr><td>X0.7</td><td>X0.6</td><td></td><td></td></tr> <tr><td>X0.5</td><td>X0.4</td><td></td><td></td></tr> <tr><td>X0.3</td><td>X0.2</td><td></td><td></td></tr> <tr><td>X0.1</td><td>X0.0</td><td></td><td></td></tr> </table> | | | | S/S | S/S | | | X1.15 | X1.14 | | | X1.13 | X1.12 | | | X1.11 | X1.10 | | | X1.9 | X1.8 | | | X1.7 | X1.6 | | | X1.5 | X1.4 | | | X1.3 | X1.2 | | | X1.1 | X1.0 | | | | | | | S/S | S/S | | | X0.15 | X0.14 | | | X0.13 | X0.12 | | | X0.11 | X0.10 | | | X0.9 | X0.8 | | | X0.7 | X0.6 | | | X0.5 | X0.4 | | | X0.3 | X0.2 | | | X0.1 | X0.0 | | | <table border="1"> <tr><td>C0</td><td>C0</td><td></td><td></td></tr> <tr><td>Y1.15</td><td>Y1.14</td><td></td><td></td></tr> <tr><td>Y1.13</td><td>Y1.12</td><td></td><td></td></tr> <tr><td>Y1.11</td><td>Y1.10</td><td></td><td></td></tr> <tr><td>Y1.9</td><td>Y1.8</td><td></td><td></td></tr> <tr><td>Y1.7</td><td>Y1.6</td><td></td><td></td></tr> <tr><td>Y1.5</td><td>Y1.4</td><td></td><td></td></tr> <tr><td>Y1.3</td><td>Y1.2</td><td></td><td></td></tr> <tr><td>Y1.1</td><td>Y1.0</td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td>C0</td><td>C0</td><td></td><td></td></tr> <tr><td>Y0.15</td><td>Y0.14</td><td></td><td></td></tr> <tr><td>Y0.13</td><td>Y0.12</td><td></td><td></td></tr> <tr><td>Y0.11</td><td>Y0.10</td><td></td><td></td></tr> <tr><td>Y0.9</td><td>Y0.8</td><td></td><td></td></tr> <tr><td>Y0.7</td><td>Y0.6</td><td></td><td></td></tr> <tr><td>Y0.5</td><td>Y0.4</td><td></td><td></td></tr> <tr><td>Y0.3</td><td>Y0.2</td><td></td><td></td></tr> <tr><td>Y0.1</td><td>Y0.0</td><td></td><td></td></tr> </table> | | | | C0 | C0 | | | Y1.15 | Y1.14 | | | Y1.13 | Y1.12 | | | Y1.11 | Y1.10 | | | Y1.9 | Y1.8 | | | Y1.7 | Y1.6 | | | Y1.5 | Y1.4 | | | Y1.3 | Y1.2 | | | Y1.1 | Y1.0 | | | | | | | C0 | C0 | | | Y0.15 | Y0.14 | | | Y0.13 | Y0.12 | | | Y0.11 | Y0.10 | | | Y0.9 | Y0.8 | | | Y0.7 | Y0.6 | | | Y0.5 | Y0.4 | | | Y0.3 | Y0.2 | | | Y0.1 | Y0.0 | | | | | | | | | | |
| S/S | S/S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.15 | X1.14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.13 | X1.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.11 | X1.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.9 | X1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.7 | X1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.5 | X1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.3 | X1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.1 | X1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| S/S | S/S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.15 | X0.14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.13 | X0.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.11 | X0.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.9 | X0.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.7 | X0.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.5 | X0.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.3 | X0.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.1 | X0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C0 | C0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.15 | Y1.14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.13 | Y1.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.11 | Y1.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.9 | Y1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.7 | Y1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.5 | Y1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.3 | Y1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.1 | Y1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| C0 | C0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.15 | Y0.14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.13 | Y0.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.11 | Y0.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.9 | Y0.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.7 | Y0.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.5 | Y0.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Y0.1 | Y0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <table border="1"> <tr><td>-</td><td>-</td><td>X2.0</td><td>X2.1</td></tr> <tr><td>S/S</td><td>S/S</td><td>X2.2</td><td>X2.3</td></tr> <tr><td>X1.15</td><td>X1.14</td><td>X2.4</td><td>X2.5</td></tr> <tr><td>X1.13</td><td>X1.12</td><td>X2.6</td><td>X2.7</td></tr> <tr><td>X1.11</td><td>X1.10</td><td>X2.8</td><td>X2.9</td></tr> <tr><td>X1.9</td><td>X1.8</td><td>X2.10</td><td>X2.11</td></tr> <tr><td>X1.7</td><td>X1.6</td><td>X2.12</td><td>X2.13</td></tr> <tr><td>X1.5</td><td>X1.4</td><td>X2.14</td><td>X2.15</td></tr> <tr><td>X1.3</td><td>X1.2</td><td>S/S</td><td>S/S</td></tr> <tr><td>X1.1</td><td>X1.0</td><td>-</td><td>-</td></tr> <tr><td>-</td><td>-</td><td>X3.0</td><td>X3.1</td></tr> <tr><td>S/S</td><td>S/S</td><td>X3.2</td><td>X3.3</td></tr> <tr><td>X0.15</td><td>X0.14</td><td>X3.4</td><td>X3.5</td></tr> <tr><td>X0.13</td><td>X0.12</td><td>X3.6</td><td>X3.7</td></tr> <tr><td>X0.11</td><td>X0.10</td><td>X3.8</td><td>X3.9</td></tr> <tr><td>X0.9</td><td>X0.8</td><td>X3.10</td><td>X3.11</td></tr> <tr><td>X0.7</td><td>X0.6</td><td>X3.12</td><td>X3.13</td></tr> <tr><td>X0.5</td><td>X0.4</td><td>X3.14</td><td>X3.15</td></tr> <tr><td>X0.3</td><td>X0.2</td><td>S/S</td><td>S/S</td></tr> <tr><td>X0.1</td><td>X0.0</td><td>-</td><td>-</td></tr> </table> | | | | - | - | X2.0 | X2.1 | S/S | S/S | X2.2 | X2.3 | X1.15 | X1.14 | X2.4 | X2.5 | X1.13 | X1.12 | X2.6 | X2.7 | X1.11 | X1.10 | X2.8 | X2.9 | X1.9 | X1.8 | X2.10 | X2.11 | X1.7 | X1.6 | X2.12 | X2.13 | X1.5 | X1.4 | X2.14 | X2.15 | X1.3 | X1.2 | S/S | S/S | X1.1 | X1.0 | - | - | - | - | X3.0 | X3.1 | S/S | S/S | X3.2 | X3.3 | X0.15 | X0.14 | X3.4 | X3.5 | X0.13 | X0.12 | X3.6 | X3.7 | X0.11 | X0.10 | X3.8 | X3.9 | X0.9 | X0.8 | X3.10 | X3.11 | X0.7 | X0.6 | X3.12 | X3.13 | X0.5 | X0.4 | X3.14 | X3.15 | X0.3 | X0.2 | S/S | S/S | X0.1 | X0.0 | - | - | <table border="1"> <tr><td>-</td><td>-</td><td>Y2.0</td><td>Y2.1</td></tr> <tr><td>C0</td><td>C0</td><td>Y2.2</td><td>Y2.3</td></tr> <tr><td>Y1.15</td><td>Y1.14</td><td>Y2.4</td><td>Y2.5</td></tr> <tr><td>Y1.13</td><td>Y1.12</td><td>Y2.6</td><td>Y2.7</td></tr> <tr><td>Y1.11</td><td>Y1.10</td><td>Y2.8</td><td>Y2.9</td></tr> <tr><td>Y1.9</td><td>Y1.8</td><td>Y2.10</td><td>Y2.11</td></tr> <tr><td>Y1.7</td><td>Y1.6</td><td>Y2.12</td><td>Y2.13</td></tr> <tr><td>Y1.5</td><td>Y1.4</td><td>Y2.14</td><td>Y2.15</td></tr> <tr><td>Y1.3</td><td>Y1.2</td><td>C0</td><td>C0</td></tr> <tr><td>Y1.1</td><td>Y1.0</td><td>-</td><td>-</td></tr> <tr><td>-</td><td>-</td><td>Y3.0</td><td>Y3.1</td></tr> <tr><td>C0</td><td>C0</td><td>Y3.2</td><td>Y3.3</td></tr> <tr><td>Y0.15</td><td>Y0.14</td><td>Y3.4</td><td>Y3.5</td></tr> <tr><td>Y0.13</td><td>Y0.12</td><td>Y3.6</td><td>Y3.7</td></tr> <tr><td>Y0.11</td><td>Y0.10</td><td>Y3.8</td><td>Y3.9</td></tr> <tr><td>Y0.9</td><td>Y0.8</td><td>Y3.10</td><td>Y3.11</td></tr> <tr><td>Y0.7</td><td>Y0.6</td><td>Y3.12</td><td>Y3.13</td></tr> <tr><td>Y0.5</td><td>Y0.4</td><td>Y3.14</td><td>Y3.15</td></tr> <tr><td>Y0.3</td><td>Y0.2</td><td>C0</td><td>C0</td></tr> <tr><td>Y0.1</td><td>Y0.0</td><td>-</td><td>-</td></tr> </table> | | | | - | - | Y2.0 | Y2.1 | C0 | C0 | Y2.2 | Y2.3 | Y1.15 | Y1.14 | Y2.4 | Y2.5 | Y1.13 | Y1.12 | Y2.6 | Y2.7 | Y1.11 | Y1.10 | Y2.8 | Y2.9 | Y1.9 | Y1.8 | Y2.10 | Y2.11 | Y1.7 | Y1.6 | Y2.12 | Y2.13 | Y1.5 | Y1.4 | Y2.14 | Y2.15 | Y1.3 | Y1.2 | C0 | C0 | Y1.1 | Y1.0 | - | - | - | - | Y3.0 | Y3.1 | C0 | C0 | Y3.2 | Y3.3 | Y0.15 | Y0.14 | Y3.4 | Y3.5 | Y0.13 | Y0.12 | Y3.6 | Y3.7 | Y0.11 | Y0.10 | Y3.8 | Y3.9 | Y0.9 | Y0.8 | Y3.10 | Y3.11 | Y0.7 | Y0.6 | Y3.12 | Y3.13 | Y0.5 | Y0.4 | Y3.14 | Y3.15 | Y0.3 | Y0.2 | C0 | C0 | Y0.1 | Y0.0 | - | - |
| - | - | X2.0 | X2.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/S | S/S | X2.2 | X2.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.15 | X1.14 | X2.4 | X2.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.13 | X1.12 | X2.6 | X2.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.11 | X1.10 | X2.8 | X2.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.9 | X1.8 | X2.10 | X2.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.7 | X1.6 | X2.12 | X2.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.5 | X1.4 | X2.14 | X2.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.3 | X1.2 | S/S | S/S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.1 | X1.0 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | - | X3.0 | X3.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/S | S/S | X3.2 | X3.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.15 | X0.14 | X3.4 | X3.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.13 | X0.12 | X3.6 | X3.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.11 | X0.10 | X3.8 | X3.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.9 | X0.8 | X3.10 | X3.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.7 | X0.6 | X3.12 | X3.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.5 | X0.4 | X3.14 | X3.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.3 | X0.2 | S/S | S/S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.1 | X0.0 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | - | Y2.0 | Y2.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C0 | C0 | Y2.2 | Y2.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.15 | Y1.14 | Y2.4 | Y2.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.13 | Y1.12 | Y2.6 | Y2.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.11 | Y1.10 | Y2.8 | Y2.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.9 | Y1.8 | Y2.10 | Y2.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.7 | Y1.6 | Y2.12 | Y2.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.5 | Y1.4 | Y2.14 | Y2.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.3 | Y1.2 | C0 | C0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.1 | Y1.0 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | - | Y3.0 | Y3.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C0 | C0 | Y3.2 | Y3.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.15 | Y0.14 | Y3.4 | Y3.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.13 | Y0.12 | Y3.6 | Y3.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.11 | Y0.10 | Y3.8 | Y3.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.9 | Y0.8 | Y3.10 | Y3.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.7 | Y0.6 | Y3.12 | Y3.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.5 | Y0.4 | Y3.14 | Y3.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.3 | Y0.2 | C0 | C0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.1 | Y0.0 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

圖 2 UB-10-ID32A



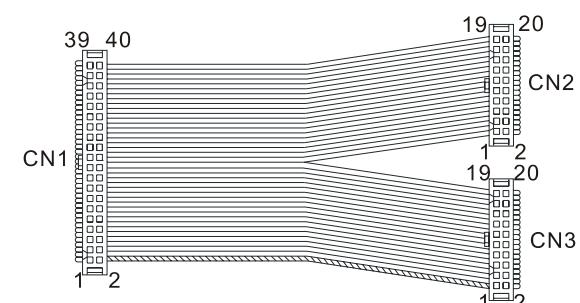
| | | | | | | | | | | | | | | | | | | |
|----------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ↑ | X0 | X2 | X4 | X6 | X10 | X12 | X14 | X16 | X20 | X22 | X24 | X26 | X30 | X32 | X34 | X36 | S/S | S/S |
| ↓ | X1 | X3 | X5 | X7 | X11 | X13 | X15 | X17 | X21 | X23 | X25 | X27 | X31 | X33 | X35 | X37 | S/S | S/S |

圖 3 UB-10-OT32A

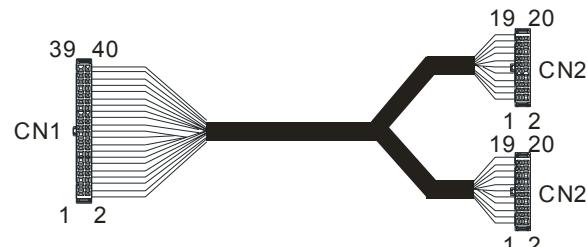
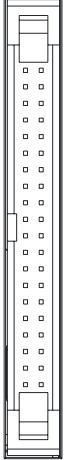


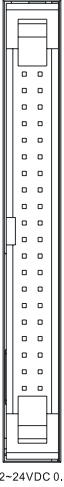
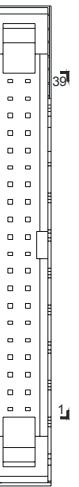
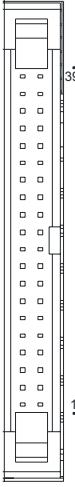
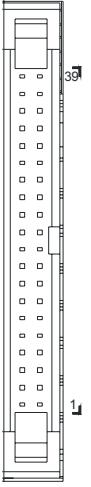
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|----------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| ↑ | Y0 | Y2 | Y4 | Y6 | Y10 | Y12 | Y14 | Y16 | Y20 | Y22 | Y24 | Y26 | Y30 | Y32 | Y34 | Y36 | +24V | +24V |
| ↓ | Y1 | Y3 | Y5 | Y7 | Y11 | Y13 | Y15 | Y17 | Y21 | Y23 | Y25 | Y27 | Y31 | Y33 | Y35 | Y37 | GND | GND |

圖 4A UC-ET010-24C (1M)

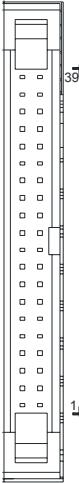


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| 圖 4B | UC-ET010-24D (1M) UC-ET020-24D (2M) UC-ET030-24D (3M) | IDC 40 ↔ IDC 20x2 (SHIELD) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| AH32AN02T-5C/AH32AN02P-5C | | AH64AN02T-5C/AH64AN02P-5C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  12~24VDC 0.1A | <table border="1"> <tr><td>Y0.0</td><td>Y0.1</td></tr> <tr><td>Y0.2</td><td>Y0.3</td></tr> <tr><td>Y0.4</td><td>Y0.5</td></tr> <tr><td>Y0.6</td><td>Y0.7</td></tr> <tr><td>Y0.8</td><td>Y0.9</td></tr> <tr><td>Y0.10</td><td>Y0.11</td></tr> <tr><td>Y0.12</td><td>Y0.13</td></tr> <tr><td>Y0.14</td><td>Y0.15</td></tr> <tr><td>ZP</td><td>ZP</td></tr> <tr><td>UP</td><td>UP</td></tr> <tr><td>Y1.0</td><td>Y1.1</td></tr> <tr><td>Y1.2</td><td>Y1.3</td></tr> <tr><td>Y1.4</td><td>Y1.5</td></tr> <tr><td>Y1.6</td><td>Y1.7</td></tr> <tr><td>Y1.8</td><td>Y1.9</td></tr> <tr><td>Y1.10</td><td>Y1.11</td></tr> <tr><td>Y1.12</td><td>Y1.13</td></tr> <tr><td>Y1.14</td><td>Y1.15</td></tr> <tr><td>ZP</td><td>ZP</td></tr> <tr><td>UP</td><td>UP</td></tr> </table> | Y0.0 | Y0.1 | Y0.2 | Y0.3 | Y0.4 | Y0.5 | Y0.6 | Y0.7 | Y0.8 | Y0.9 | Y0.10 | Y0.11 | Y0.12 | Y0.13 | Y0.14 | Y0.15 | ZP | ZP | UP | UP | Y1.0 | Y1.1 | Y1.2 | Y1.3 | Y1.4 | Y1.5 | Y1.6 | Y1.7 | Y1.8 | Y1.9 | Y1.10 | Y1.11 | Y1.12 | Y1.13 | Y1.14 | Y1.15 | ZP | ZP | UP | UP | <table border="1"> <tr><td>UP</td><td>UP</td><td>Y2.0</td><td>Y2.1</td></tr> <tr><td>ZP</td><td>ZP</td><td>Y2.2</td><td>Y2.3</td></tr> <tr><td>Y1.15</td><td>Y1.14</td><td>Y2.4</td><td>Y2.5</td></tr> <tr><td>Y1.13</td><td>Y1.12</td><td>Y2.6</td><td>Y2.7</td></tr> <tr><td>Y1.11</td><td>Y1.10</td><td>Y2.8</td><td>Y2.9</td></tr> <tr><td>Y1.9</td><td>Y1.8</td><td>Y2.10</td><td>Y2.11</td></tr> <tr><td>Y1.7</td><td>Y1.6</td><td>Y2.12</td><td>Y2.13</td></tr> <tr><td>Y1.5</td><td>Y1.4</td><td>Y2.14</td><td>Y2.15</td></tr> <tr><td>Y1.3</td><td>Y1.2</td><td>ZP</td><td>ZP</td></tr> <tr><td>Y1.1</td><td>Y1.0</td><td>UP</td><td>UP</td></tr> <tr><td>UP</td><td>UP</td><td>Y3.0</td><td>Y3.1</td></tr> <tr><td>ZP</td><td>ZP</td><td>Y3.2</td><td>Y3.3</td></tr> <tr><td>Y0.15</td><td>Y0.14</td><td>Y3.4</td><td>Y3.5</td></tr> <tr><td>Y0.13</td><td>Y0.12</td><td>Y3.6</td><td>Y3.7</td></tr> <tr><td>Y0.11</td><td>Y0.10</td><td>Y3.8</td><td>Y3.9</td></tr> <tr><td>Y0.9</td><td>Y0.8</td><td>Y3.10</td><td>Y3.11</td></tr> <tr><td>Y0.7</td><td>Y0.6</td><td>Y3.12</td><td>Y3.13</td></tr> <tr><td>Y0.5</td><td>Y0.4</td><td>Y3.14</td><td>Y3.15</td></tr> <tr><td>Y0.3</td><td>Y0.2</td><td>ZP</td><td>ZP</td></tr> <tr><td>Y0.1</td><td>Y0.0</td><td>UP</td><td>UP</td></tr> </table> | UP | UP | Y2.0 | Y2.1 | ZP | ZP | Y2.2 | Y2.3 | Y1.15 | Y1.14 | Y2.4 | Y2.5 | Y1.13 | Y1.12 | Y2.6 | Y2.7 | Y1.11 | Y1.10 | Y2.8 | Y2.9 | Y1.9 | Y1.8 | Y2.10 | Y2.11 | Y1.7 | Y1.6 | Y2.12 | Y2.13 | Y1.5 | Y1.4 | Y2.14 | Y2.15 | Y1.3 | Y1.2 | ZP | ZP | Y1.1 | Y1.0 | UP | UP | UP | UP | Y3.0 | Y3.1 | ZP | ZP | Y3.2 | Y3.3 | Y0.15 | Y0.14 | Y3.4 | Y3.5 | Y0.13 | Y0.12 | Y3.6 | Y3.7 | Y0.11 | Y0.10 | Y3.8 | Y3.9 | Y0.9 | Y0.8 | Y3.10 | Y3.11 | Y0.7 | Y0.6 | Y3.12 | Y3.13 | Y0.5 | Y0.4 | Y3.14 | Y3.15 | Y0.3 | Y0.2 | ZP | ZP | Y0.1 | Y0.0 | UP | UP |
| Y0.0 | Y0.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.2 | Y0.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.4 | Y0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.6 | Y0.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.8 | Y0.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.10 | Y0.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.12 | Y0.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.14 | Y0.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZP | ZP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UP | UP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.0 | Y1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.2 | Y1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.4 | Y1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.6 | Y1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.8 | Y1.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.10 | Y1.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.12 | Y1.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.14 | Y1.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZP | ZP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UP | UP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UP | UP | Y2.0 | Y2.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZP | ZP | Y2.2 | Y2.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.15 | Y1.14 | Y2.4 | Y2.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.13 | Y1.12 | Y2.6 | Y2.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.11 | Y1.10 | Y2.8 | Y2.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.9 | Y1.8 | Y2.10 | Y2.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.7 | Y1.6 | Y2.12 | Y2.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.5 | Y1.4 | Y2.14 | Y2.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.3 | Y1.2 | ZP | ZP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.1 | Y1.0 | UP | UP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UP | UP | Y3.0 | Y3.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZP | ZP | Y3.2 | Y3.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.15 | Y0.14 | Y3.4 | Y3.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.13 | Y0.12 | Y3.6 | Y3.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.11 | Y0.10 | Y3.8 | Y3.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.9 | Y0.8 | Y3.10 | Y3.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.7 | Y0.6 | Y3.12 | Y3.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.5 | Y0.4 | Y3.14 | Y3.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.3 | Y0.2 | ZP | ZP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.1 | Y0.0 | UP | UP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| DVP32SN11TN | | AS32AN02T-A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  | <table border="1"> <tr><td>Y0</td><td>Y1</td></tr> <tr><td>Y2</td><td>Y3</td></tr> <tr><td>Y4</td><td>Y5</td></tr> <tr><td>Y6</td><td>Y7</td></tr> <tr><td>Y10</td><td>Y11</td></tr> <tr><td>Y12</td><td>Y13</td></tr> <tr><td>Y14</td><td>Y15</td></tr> <tr><td>Y16</td><td>Y17</td></tr> <tr><td>S/S</td><td>S/S</td></tr> <tr><td></td><td></td></tr> <tr><td>Y20</td><td>Y21</td></tr> <tr><td>Y22</td><td>Y23</td></tr> <tr><td>Y24</td><td>Y25</td></tr> <tr><td>Y26</td><td>Y27</td></tr> <tr><td>Y30</td><td>Y31</td></tr> <tr><td>Y32</td><td>Y33</td></tr> <tr><td>Y34</td><td>Y35</td></tr> <tr><td>Y36</td><td>Y37</td></tr> <tr><td>S/S</td><td>S/S</td></tr> <tr><td></td><td></td></tr> </table> | Y0 | Y1 | Y2 | Y3 | Y4 | Y5 | Y6 | Y7 | Y10 | Y11 | Y12 | Y13 | Y14 | Y15 | Y16 | Y17 | S/S | S/S | | | Y20 | Y21 | Y22 | Y23 | Y24 | Y25 | Y26 | Y27 | Y30 | Y31 | Y32 | Y33 | Y34 | Y35 | Y36 | Y37 | S/S | S/S | | |  | <table border="1"> <tr><td>C0</td><td>C0</td></tr> <tr><td>Y1.15</td><td>Y1.14</td></tr> <tr><td>Y1.13</td><td>Y1.12</td></tr> <tr><td>Y1.11</td><td>Y1.10</td></tr> <tr><td>Y1.9</td><td>Y1.8</td></tr> <tr><td>Y1.7</td><td>Y1.6</td></tr> <tr><td>Y1.5</td><td>Y1.4</td></tr> <tr><td>Y1.3</td><td>Y1.2</td></tr> <tr><td>Y1.1</td><td>Y1.0</td></tr> <tr><td></td><td></td></tr> <tr><td>C0</td><td>C0</td></tr> <tr><td>Y0.15</td><td>Y0.14</td></tr> <tr><td>Y0.13</td><td>Y0.12</td></tr> <tr><td>Y0.11</td><td>Y0.10</td></tr> <tr><td>Y0.9</td><td>Y0.8</td></tr> <tr><td>Y0.7</td><td>Y0.6</td></tr> <tr><td>Y0.5</td><td>Y0.4</td></tr> <tr><td>Y0.3</td><td>Y0.2</td></tr> <tr><td>Y0.1</td><td>Y0.0</td></tr> </table> | C0 | C0 | Y1.15 | Y1.14 | Y1.13 | Y1.12 | Y1.11 | Y1.10 | Y1.9 | Y1.8 | Y1.7 | Y1.6 | Y1.5 | Y1.4 | Y1.3 | Y1.2 | Y1.1 | Y1.0 | | | C0 | C0 | Y0.15 | Y0.14 | Y0.13 | Y0.12 | Y0.11 | Y0.10 | Y0.9 | Y0.8 | Y0.7 | Y0.6 | Y0.5 | Y0.4 | Y0.3 | Y0.2 | Y0.1 | Y0.0 | | |
| Y0 | Y1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y2 | Y3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y4 | Y5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y6 | Y7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y10 | Y11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y12 | Y13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y14 | Y15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y16 | Y17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Y20 | Y21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y22 | Y23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y24 | Y25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y26 | Y27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y30 | Y31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y32 | Y33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y34 | Y35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y36 | Y37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| C0 | C0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.15 | Y1.14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.13 | Y1.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.11 | Y1.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.9 | Y1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.7 | Y1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.5 | Y1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.3 | Y1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y1.1 | Y1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Y0.15 | Y0.14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.13 | Y0.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.11 | Y0.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.9 | Y0.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.7 | Y0.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.5 | Y0.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.3 | Y0.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.1 | Y0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AS332T-A | | AS332P-A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <table border="1"> <tr><td>-</td><td>-</td></tr> <tr><td>S/S</td><td>S/S</td></tr> <tr><td>X0.15</td><td>X0.14</td></tr> <tr><td>X0.13</td><td>X0.12</td></tr> <tr><td>X0.11</td><td>X0.10</td></tr> <tr><td>X0.9</td><td>X0.8</td></tr> <tr><td>X0.7</td><td>X0.6</td></tr> <tr><td>X0.5</td><td>X0.4</td></tr> <tr><td>X0.3</td><td>X0.2</td></tr> <tr><td>X0.1</td><td>X0.0</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>C0</td><td>C0</td></tr> <tr><td>Y0.15</td><td>Y0.14</td></tr> <tr><td>Y0.13</td><td>Y0.12</td></tr> <tr><td>Y0.11</td><td>Y0.10</td></tr> <tr><td>Y0.9</td><td>Y0.8</td></tr> <tr><td>Y0.7</td><td>Y0.6</td></tr> <tr><td>Y0.5</td><td>Y0.4</td></tr> <tr><td>Y0.3</td><td>Y0.2</td></tr> <tr><td>Y0.1</td><td>Y0.0</td></tr> </table> | - | - | S/S | S/S | X0.15 | X0.14 | X0.13 | X0.12 | X0.11 | X0.10 | X0.9 | X0.8 | X0.7 | X0.6 | X0.5 | X0.4 | X0.3 | X0.2 | X0.1 | X0.0 | - | - | C0 | C0 | Y0.15 | Y0.14 | Y0.13 | Y0.12 | Y0.11 | Y0.10 | Y0.9 | Y0.8 | Y0.7 | Y0.6 | Y0.5 | Y0.4 | Y0.3 | Y0.2 | Y0.1 | Y0.0 |  | <table border="1"> <tr><td>-</td><td>-</td></tr> <tr><td>S/S</td><td>S/S</td></tr> <tr><td>X0.15</td><td>X0.14</td></tr> <tr><td>X0.13</td><td>X0.12</td></tr> <tr><td>X0.11</td><td>X0.10</td></tr> <tr><td>X0.9</td><td>X0.8</td></tr> <tr><td>X0.7</td><td>X0.6</td></tr> <tr><td>X0.5</td><td>X0.4</td></tr> <tr><td>X0.3</td><td>X0.2</td></tr> <tr><td>X0.1</td><td>X0.0</td></tr> <tr><td>C0</td><td>C0</td></tr> <tr><td>-</td><td>-</td></tr> <tr><td>Y0.15</td><td>Y0.14</td></tr> <tr><td>Y0.13</td><td>Y0.12</td></tr> <tr><td>Y0.11</td><td>Y0.10</td></tr> <tr><td>Y0.9</td><td>Y0.8</td></tr> <tr><td>Y0.7</td><td>Y0.6</td></tr> <tr><td>Y0.5</td><td>Y0.4</td></tr> <tr><td>Y0.3</td><td>Y0.2</td></tr> <tr><td>Y0.1</td><td>Y0.0</td></tr> </table> | - | - | S/S | S/S | X0.15 | X0.14 | X0.13 | X0.12 | X0.11 | X0.10 | X0.9 | X0.8 | X0.7 | X0.6 | X0.5 | X0.4 | X0.3 | X0.2 | X0.1 | X0.0 | C0 | C0 | - | - | Y0.15 | Y0.14 | Y0.13 | Y0.12 | Y0.11 | Y0.10 | Y0.9 | Y0.8 | Y0.7 | Y0.6 | Y0.5 | Y0.4 | Y0.3 | Y0.2 | Y0.1 | Y0.0 |
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| X0.5 | X0.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.3 | X0.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Y0.15 | Y0.14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.13 | Y0.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.11 | Y0.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.9 | Y0.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.7 | Y0.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.5 | Y0.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.3 | Y0.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.1 | Y0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/S | S/S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.15 | X0.14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.13 | X0.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.11 | X0.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.9 | X0.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.7 | X0.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.5 | X0.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.3 | X0.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.1 | X0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C0 | C0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Y0.15 | Y0.14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.13 | Y0.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.11 | Y0.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.9 | Y0.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.7 | Y0.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.5 | Y0.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.3 | Y0.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y0.1 | Y0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| AS324MT-A | |
|------------------|-------|
| S/S | S/S |
| X0.11 | X0.10 |
| X0.9 | X0.8 |
| X0.7 | X0.6 |
| X0.5 | X0.4 |
| SG0 | SG0 |
| X0.3- | X0.3+ |
| X0.2- | X0.2+ |
| X0.1- | X0.1+ |
| X0.0- | X0.0+ |
| C0 | C0 |
| Y0.11 | Y0.10 |
| Y0.9 | Y0.8 |
| Y0.7 | Y0.6 |
| Y0.5 | Y0.4 |
| SG1 | SG1 |
| Y0.3- | Y0.3+ |
| Y0.2- | Y0.2+ |
| Y0.1- | Y0.1+ |
| Y0.0- | Y0.0+ |

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|-------------------------------------------------------------------------------------------------------------------------------|-------------|
| 圖 5 | UB-10-OR16A |
|  | |
| C0 Y0 Y1 Y2 Y3 C1 Y4 Y5 Y6 Y7 C2 Y10 Y11 Y12 Y13 C3 Y14 Y15 GND +24V | Y16 Y17 |

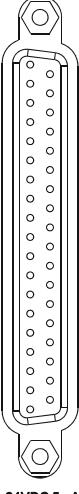
| 圖 6 | UC-ET010-33B (1M) | DB37 公座 ↔ DB37 公座 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| AH32AM10N-5B | | AH32AN02T-5B/AH32AN02P-5B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <table border="1"> <tr><td>X0.0</td><td>X0.1</td></tr> <tr><td>X0.2</td><td>X0.3</td></tr> <tr><td>X0.4</td><td>X0.5</td></tr> <tr><td>X0.6</td><td>X0.7</td></tr> <tr><td>X0.8</td><td>X0.9</td></tr> <tr><td>X0.10</td><td>X0.11</td></tr> <tr><td>X0.12</td><td>X0.13</td></tr> <tr><td>X0.14</td><td>X0.15</td></tr> <tr><td>S/S</td><td>S/S</td></tr> <tr><td></td><td>X1.0</td></tr> <tr><td>X1.1</td><td>X1.2</td></tr> <tr><td>X1.3</td><td>X1.4</td></tr> <tr><td>X1.5</td><td>X1.6</td></tr> <tr><td>X1.7</td><td>X1.8</td></tr> <tr><td>X1.9</td><td>X1.10</td></tr> <tr><td>X1.11</td><td>X1.12</td></tr> <tr><td>X1.13</td><td>X1.14</td></tr> <tr><td>X1.15</td><td>S/S</td></tr> <tr><td>S/S</td><td></td></tr> </table> | X0.0 | X0.1 | X0.2 | X0.3 | X0.4 | X0.5 | X0.6 | X0.7 | X0.8 | X0.9 | X0.10 | X0.11 | X0.12 | X0.13 | X0.14 | X0.15 | S/S | S/S | | X1.0 | X1.1 | X1.2 | X1.3 | X1.4 | X1.5 | X1.6 | X1.7 | X1.8 | X1.9 | X1.10 | X1.11 | X1.12 | X1.13 | X1.14 | X1.15 | S/S | S/S | | <table border="1"> <tr><td>X0.0</td><td>X0.1</td></tr> <tr><td>X0.2</td><td>X0.3</td></tr> <tr><td>X0.4</td><td>X0.5</td></tr> <tr><td>X0.6</td><td>X0.7</td></tr> <tr><td>X0.8</td><td>X0.9</td></tr> <tr><td>X0.10</td><td>X0.11</td></tr> <tr><td>X0.12</td><td>X0.13</td></tr> <tr><td>X0.14</td><td>X0.15</td></tr> <tr><td>ZP</td><td>ZP</td></tr> <tr><td>UP</td><td>X1.0</td></tr> <tr><td>X1.1</td><td>X1.2</td></tr> <tr><td>X1.3</td><td>X1.4</td></tr> <tr><td>X1.5</td><td>X1.6</td></tr> <tr><td>X1.7</td><td>X1.8</td></tr> <tr><td>X1.9</td><td>X1.10</td></tr> <tr><td>X1.11</td><td>X1.12</td></tr> <tr><td>X1.13</td><td>X1.14</td></tr> <tr><td>X1.15</td><td>ZP</td></tr> <tr><td>UP</td><td></td></tr> </table> | X0.0 | X0.1 | X0.2 | X0.3 | X0.4 | X0.5 | X0.6 | X0.7 | X0.8 | X0.9 | X0.10 | X0.11 | X0.12 | X0.13 | X0.14 | X0.15 | ZP | ZP | UP | X1.0 | X1.1 | X1.2 | X1.3 | X1.4 | X1.5 | X1.6 | X1.7 | X1.8 | X1.9 | X1.10 | X1.11 | X1.12 | X1.13 | X1.14 | X1.15 | ZP | UP | |
| X0.0 | X0.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.2 | X0.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.4 | X0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.6 | X0.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.8 | X0.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.10 | X0.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.12 | X0.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.14 | X0.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/S | S/S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | X1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.1 | X1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.3 | X1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.5 | X1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.7 | X1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.9 | X1.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.11 | X1.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.13 | X1.14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.15 | S/S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S/S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.0 | X0.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.2 | X0.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.4 | X0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.6 | X0.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.8 | X0.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.10 | X0.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.12 | X0.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X0.14 | X0.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZP | ZP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UP | X1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.1 | X1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.3 | X1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.5 | X1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.7 | X1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.9 | X1.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.11 | X1.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.13 | X1.14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X1.15 | ZP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 圖 7 | UB-10-ID32B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | <table border="1"> <tr><td>↑</td><td>X0</td><td>X2</td><td>X4</td><td>X6</td><td>X10</td><td>X12</td><td>X14</td><td>X16</td><td>X20</td><td>X22</td><td>X24</td><td>X26</td><td>X30</td><td>X32</td><td>X34</td><td>X36</td><td>S/S</td><td>S/S</td></tr> <tr><td>↓</td><td>X1</td><td>X3</td><td>X5</td><td>X7</td><td>X11</td><td>X13</td><td>X15</td><td>X17</td><td>X21</td><td>X23</td><td>X25</td><td>X27</td><td>X31</td><td>X33</td><td>X35</td><td>X37</td><td>S/S</td><td>S/S</td></tr> </table> | | ↑ | X0 | X2 | X4 | X6 | X10 | X12 | X14 | X16 | X20 | X22 | X24 | X26 | X30 | X32 | X34 | X36 | S/S | S/S | ↓ | X1 | X3 | X5 | X7 | X11 | X13 | X15 | X17 | X21 | X23 | X25 | X27 | X31 | X33 | X35 | X37 | S/S | S/S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ↑ | X0 | X2 | X4 | X6 | X10 | X12 | X14 | X16 | X20 | X22 | X24 | X26 | X30 | X32 | X34 | X36 | S/S | S/S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ↓ | X1 | X3 | X5 | X7 | X11 | X13 | X15 | X17 | X21 | X23 | X25 | X27 | X31 | X33 | X35 | X37 | S/S | S/S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

圖 8

UB-10-OR32A



| | | | | | | | | | | | | | | | | | | | | |
|--------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|----|-----|-----|-----|-----|----|-----|-----|-----|-----|
| Pin 1 | C0 | Y0 | Y1 | Y2 | Y3 | C1 | Y4 | Y5 | Y6 | Y7 | C2 | Y10 | Y11 | Y12 | Y13 | C3 | Y14 | Y15 | Y16 | Y17 |
| Pin 21 | C4 | Y20 | Y21 | Y22 | Y23 | C5 | Y24 | Y25 | Y26 | Y27 | C6 | Y30 | Y31 | Y32 | Y33 | C7 | Y34 | Y35 | Y36 | Y37 |

圖 9

UB-10-OT32B



| | | | | | | | | | | | | | | | | | | |
|---|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| ↑ | Y0 | Y2 | Y4 | Y6 | Y10 | Y12 | Y14 | Y16 | Y20 | Y22 | Y24 | Y26 | Y30 | Y32 | Y34 | Y36 | UP | UP |
| ↓ | Y1 | Y3 | Y5 | Y7 | Y11 | Y13 | Y15 | Y17 | Y21 | Y23 | Y25 | Y27 | Y31 | Y33 | Y35 | Y37 | ZP | ZP |

圖 10

UB-10-OR32B



| | | | | | | | | | | | | | | | | | | | | |
|--------|----|-----|-----|-----|-----|----|-----|-----|-----|-----|----|-----|-----|-----|-----|----|-----|-----|-----|-----|
| Pin 1 | C0 | Y0 | Y1 | Y2 | Y3 | C1 | Y4 | Y5 | Y6 | Y7 | C2 | Y10 | Y11 | Y12 | Y13 | C3 | Y14 | Y15 | Y16 | Y17 |
| Pin 21 | C4 | Y20 | Y21 | Y22 | Y23 | C5 | Y24 | Y25 | Y26 | Y27 | C6 | Y30 | Y31 | Y32 | Y33 | C7 | Y34 | Y35 | Y36 | Y37 |

圖 11 UB-10-OR16B

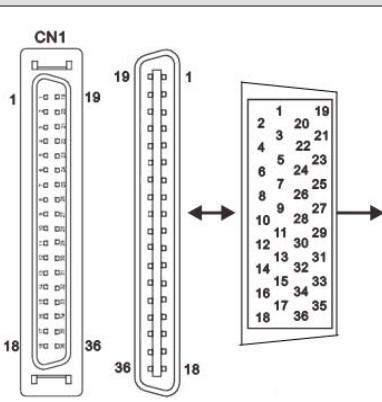


| C0 | Y0 | Y1 | Y2 | Y3 | C1 | Y4 | Y5 | Y6 | Y7 | C2 | Y10 | Y11 | Y12 | Y13 | C3 | Y14 | Y15 | Y16 | Y17 | GND | +24V |
|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|------|
|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|------|

圖 12 UC-ET010-13B (1M) | MDR36 母座↔MDR36 母座

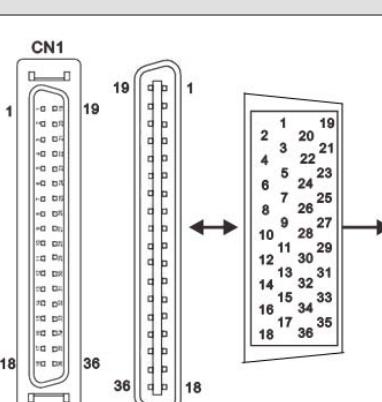


AH20MC-5A



| | | | | | | | |
|----|--------|----|--------|----|--------|----|--------|
| 2 | C2 | 1 | C3 | 20 | Y0.10 | 19 | Y0.11 |
| 4 | C0 | 3 | C1 | 22 | Y0.8 | 21 | Y0.9 |
| 6 | N/C | 5 | N/C | 24 | N/C | 23 | N/C |
| 8 | X0.15- | 7 | X0.3- | 26 | X0.15+ | 25 | X0.3+ |
| 10 | X0.2- | 9 | X0.14- | 28 | X0.2+ | 27 | X0.14+ |
| 12 | X0.12- | 11 | X0.13- | 30 | X0.12+ | 29 | X0.13+ |
| 14 | X0.11- | 13 | X0.1- | 32 | X0.11+ | 31 | X0.1+ |
| 16 | X0.0- | 15 | X0.10- | 34 | X0.0+ | 33 | X0.10+ |
| 18 | X0.8- | 17 | X0.9- | 36 | X0.8+ | 35 | X0.9+ |

AH10EMC-5A



| | | | | | | | |
|----|--------|----|--------|----|--------|----|--------|
| 2 | COM | 1 | COM | 20 | Y0.10 | 19 | Y0.11 |
| 4 | COM | 3 | COM | 22 | Y0.8 | 21 | Y0.9 |
| 6 | X1.5 | 5 | S/S | 24 | X1.2 | 23 | X1.3 |
| 8 | X1.4 | 7 | S/S | 26 | X1.0 | 25 | X1.1 |
| 10 | X0.3 | 9 | S/S | 28 | X0.14 | 27 | X0.15 |
| 12 | X0.2 | 11 | S/S | 30 | X0.12 | 29 | X0.13 |
| 14 | X0.11- | 13 | X0.1- | 32 | X0.11+ | 31 | X0.1+ |
| 16 | X0.0- | 15 | X0.10- | 34 | X0.0+ | 33 | X0.10+ |
| 18 | X0.8- | 17 | X0.9- | 36 | X0.8+ | 35 | X0.9+ |

| AH04HC-5A | | | | | | | |
|-----------|----|---|----------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CN1 | 19 | 1 | 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 | 2 4 6 8 10 12 14 16 18 | C2 C0 N/C X0.15- X0.2- X0.12- X0.11- X0.0- X0.8- | 1 3 5 7 9 11 13 15 17 20 22 24 26 28 30 32 34 36 Y0.10 Y0.8 N/C X0.14- X0.2+ X0.13+ X0.12+ X0.1+ X0.11+ X0.10+ X0.0+ X0.8+ Y0.11 Y0.9 N/C X0.3+ X0.15+ X0.14+ X0.2+ X0.13+ X0.12+ X0.1+ X0.11+ X0.10+ X0.0+ X0.9+ X0.8+ N/C 24V 24V | 19 21 23 25 27 29 31 33 35 36 Y0.11 Y0.9 N/C X0.14+ X0.2- X0.13- X0.12- X0.1- X0.11- X0.10- X0.0- X0.8- 24G 24V |

圖 13 UB-10-IO16C



| | | | | | | | | | | | | | | | | | | | | | |
|---|-------|-------|------|------|-----|-----|-------|--------|--------|-------|--------|--------|-------|--------|--------|-------|-------|-------|-----|-----|-----|
| ↑ | C3 | C2 | C1 | C0 | N/C | N/C | X0.3- | X0.15- | X0.14- | X0.2- | X0.13- | X0.12- | X0.1- | X0.11- | X0.10- | X0.0- | X0.9- | X0.8- | 24G | 24G | FE |
| ↓ | Y0.11 | Y0.10 | Y0.9 | Y0.8 | N/C | N/C | X0.3+ | X0.15+ | X0.14+ | X0.2+ | X0.13+ | X0.12+ | X0.1+ | X0.11+ | X0.10+ | X0.0+ | X0.9+ | X0.8+ | N/C | 24V | 24V |

圖 14 UB-10-IO22C



| | | | | | | | | | | | | | | | | | | | | | |
|---|-------|-------|------|------|------|------|------|------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-----|-----|-----|
| ↑ | COM | COM | COM | COM | S/S | X1.5 | S/S | X1.4 | S/S | X0.3 | S/S | X0.2 | X0.1- | X0.11- | X0.10- | X0.0- | X0.9- | X0.8- | 24G | 24G | FE |
| ↓ | Y0.11 | Y0.10 | Y0.9 | Y0.8 | X1.3 | X1.2 | X1.1 | X1.0 | X0.15 | X0.14 | X0.13 | X0.12 | X0.1+ | X0.11+ | X0.10+ | X0.0+ | X0.9+ | X0.8+ | N/C | 24V | 24V |

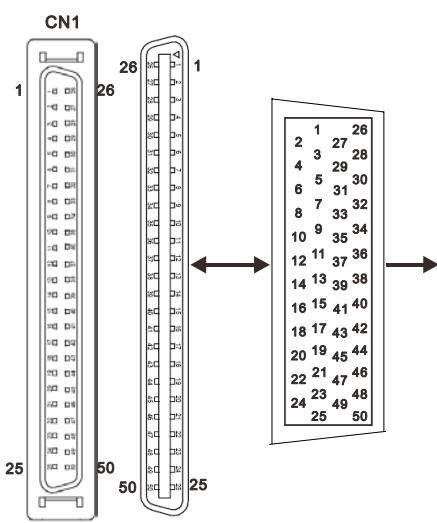
圖 15

UC-ET010-15B (1M)

MDR50 母座↔MDR50 母座

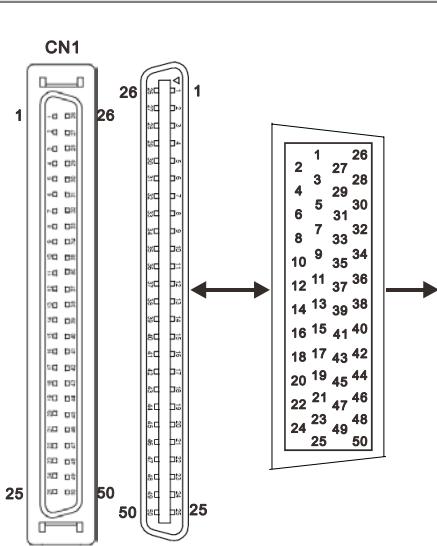


AH10PM-5A



| | | | | | | | |
|----|-------|----|-------|----|-------|----|-------|
| 2 | C2 | 1 | C3 | 27 | Y0.10 | 26 | Y0.11 |
| 4 | C0 | 3 | C1 | 29 | Y0.8 | 28 | Y0.9 |
| 6 | Y0.7- | 5 | N/A | 31 | Y0.7+ | 30 | N/A |
| 8 | Y0.5- | 7 | Y0.6- | 33 | Y0.5+ | 32 | Y0.6+ |
| 10 | Y0.3- | 9 | Y0.4- | 35 | Y0.3+ | 34 | Y0.4+ |
| 12 | Y0.1- | 11 | Y0.2- | 37 | Y0.1+ | 36 | Y0.2+ |
| 14 | N/A | 13 | Y0.0- | 39 | N/A | 38 | Y0.0+ |
| 16 | X0.15 | 15 | N/A | 41 | X0.14 | 40 | S/S |
| 18 | X0.11 | 17 | X0.13 | 43 | X0.10 | 42 | X0.12 |
| 20 | N/A | 19 | X0.9 | 45 | N/A | 44 | X0.8 |
| 22 | X0.3- | 21 | N/A | 47 | X0.3+ | 46 | N/A |
| 24 | X0.1- | 23 | X0.2- | 49 | X0.1+ | 48 | X0.2+ |
| | | 25 | X0.0- | | | 50 | X0.0+ |

AH15PM-5A



| | | | | | | | |
|----|-------|----|-------|----|-------|----|-------|
| 2 | Y0.9 | 1 | Y0.11 | 27 | Y0.8 | 26 | Y0.10 |
| 4 | Y0.7- | 3 | COM | 29 | Y0.6+ | 28 | Y0.7+ |
| 6 | Y0.5- | 5 | Y0.6- | 31 | Y0.4+ | 30 | Y0.5+ |
| 8 | Y0.3- | 7 | Y0.4- | 33 | Y0.2+ | 32 | Y0.3+ |
| 10 | Y0.1- | 9 | Y0.2- | 35 | Y0.0+ | 34 | Y0.1+ |
| 12 | X1.5 | 11 | Y0.0- | 37 | X1.4 | 36 | S/S |
| 14 | X1.1 | 13 | X1.3 | 39 | X1.0 | 38 | X1.2 |
| 16 | X0.13 | 15 | X0.15 | 41 | X0.12 | 40 | X0.14 |
| 18 | X0.9- | 17 | X0.11 | 43 | X0.9+ | 42 | X0.10 |
| 20 | X0.7 | 19 | X0.8- | 45 | X0.6 | 44 | X0.8+ |
| 22 | X0.3- | 21 | X0.5 | 47 | X0.3+ | 46 | X0.4 |
| 24 | X0.1- | 23 | X0.2- | 49 | X0.1+ | 48 | X0.2+ |
| | | 25 | X0.0- | | | 50 | X0.0+ |

圖 16

UB-10-IO24C



| | | | | | | | | | | | | | | | | | | | |
|----------|----|----|----|----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|----|
| ↑ | C3 | C2 | C1 | C0 | N/C | Y0.7- | Y0.6- | Y0.5- | Y0.4- | Y0.3- | Y0.2- | Y0.1- | Y0.0- | N/C | | | | | |
| | | | | | | N/C | X0.15 | X0.13 | X0.11 | X0.9 | N/C | N/C | X0.3- | X0.2- | X0.1- | X0.0- | 24G | 24G | FE |

| | | | | | | | | | | | | | | | | | | | |
|----------|-------|-------|------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|
| ↓ | Y0.11 | Y0.10 | Y0.9 | Y0.8 | N/C | Y0.7+ | Y0.6+ | Y0.5+ | Y0.4+ | Y0.3+ | Y0.2+ | Y0.1+ | Y0.0+ | N/C | | | | | |
| | | | | | | S/S | X0.14 | X0.12 | X0.10 | X0.8 | N/C | N/C | X0.3+ | X0.2+ | X0.1+ | X0.0+ | N/C | 24V | 24V |

圖 17

UB-10-IO34C



| | | | | | | | | | | | | | | | | | | | | |
|----------|-------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-----|-----|----|
| ↑ | Y0.11 | Y0.9 | COM | Y0.7- | Y0.6- | Y0.5- | Y0.4- | Y0.3- | Y0.2- | Y0.1- | Y0.0- | X1.5 | X1.3 | X1.1 | | | | | | |
| | | | | | | | X0.15 | X0.13 | X0.11 | X0.9- | X0.8- | X0.7 | X0.5 | X0.3- | X0.2- | X0.1- | X0.0- | 24G | 24G | FE |

| | | | | | | | | | | | | | | | | | | | | |
|----------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-----|-----|-----|
| ↓ | Y0.10 | Y0.8 | Y0.7+ | Y0.6+ | Y0.5+ | Y0.4+ | Y0.3+ | Y0.2+ | Y0.1+ | Y0.0+ | S/S | X1.4 | X1.2 | X1.0 | | | | | | |
| | | | | | | | X0.14 | X0.12 | X0.10 | X0.9+ | X0.8+ | X0.6 | X0.4 | X0.3+ | X0.2+ | X0.1+ | X0.0+ | N/C | 24V | 24V |

| | | | |
|------|----------------------|-------------------|---|
| 圖 18 | AHACAB06-5A (0.6M) | MDR20 公座↔MDR20 公座 | 2 |
| | AHACAB10-5A (1M) | | |
| | AHACAB15-5A (1.5M) | | |
| | AHACAB30-5A (3M) | | |
| | AHACAB50-5A (5M) | | |
| | AHACABA0-5A (10M) | | |
| | AHACABA5-5A (15M) | | |
| | AHACABB0-5A (20M) | | |
| | AHACABC0-5A (30M) | | |
| | AHACABD0-5A (40M) | | |
| | AHACABE0-5A (50M) | | |
| | AHACABF0-5A (60M) | | |
| | AHACABG0-5A (70M) | | |
| | AHACABH0-5A (80M) | | |
| | AHACABJ0-5A (90M) | | |
| | AHACABK0-5A (100M) | | |

The diagram illustrates the physical connection between two MDR20 male connectors. Each connector is shown with its 20 pins numbered from 1 to 20. The connectors are oriented with pin 1 at the top and pin 20 at the bottom. They are connected by a central horizontal cable. The pin numbers are explicitly labeled on both ends of the connectors.

圖 19

UB-10-ID16A

**AS332T-A**

| | | | | | | | | | | |
|----------|------|------|------|------|------|-------|-------|-------|-----|---|
| ↑ | X0.0 | X0.2 | X0.4 | X0.6 | X0.8 | X0.10 | X0.12 | X0.14 | S/S | - |
| | Y0.0 | Y0.2 | Y0.4 | Y0.6 | Y0.8 | Y0.10 | Y0.12 | Y0.14 | C0 | - |
| ↓ | X0.1 | X0.3 | X0.5 | X0.7 | X0.9 | X0.11 | X0.13 | X0.15 | S/S | - |
| | Y0.1 | Y0.3 | Y0.5 | Y0.7 | Y0.9 | Y0.11 | Y0.13 | Y0.15 | C0 | - |

AS332P-A

| | | | | | | | | | | |
|----------|------|------|------|------|------|-------|-------|-------|-----|----|
| ↑ | X0.0 | X0.2 | X0.4 | X0.6 | X0.8 | X0.10 | X0.12 | X0.14 | S/S | - |
| | Y0.0 | Y0.2 | Y0.4 | Y0.6 | Y0.8 | Y0.10 | Y0.12 | Y0.14 | - | C0 |
| ↓ | X0.1 | X0.3 | X0.5 | X0.7 | X0.9 | X0.11 | X0.13 | X0.15 | S/S | - |
| | Y0.1 | Y0.3 | Y0.5 | Y0.7 | Y0.9 | Y0.11 | Y0.13 | Y0.15 | - | C0 |

AS324MT-A

| | | | | | | | | | | |
|----------|-------|-------|-------|-------|-----|------|------|------|-------|-----|
| ↑ | X0.0+ | X0.1+ | X0.2+ | X0.3+ | SG0 | X0.4 | X0.6 | X0.8 | X0.10 | S/S |
| | Y0.0+ | Y0.1+ | Y0.2+ | Y0.3+ | SG1 | Y0.4 | Y0.6 | Y0.8 | Y0.10 | C0 |
| ↓ | X0.0- | X0.1- | X0.2- | X0.3- | SG0 | X0.5 | X0.7 | X0.9 | X0.11 | S/S |
| | Y0.0- | Y0.1- | Y0.2- | Y0.3- | SG1 | Y0.5 | Y0.7 | Y0.9 | Y0.11 | C0 |

3

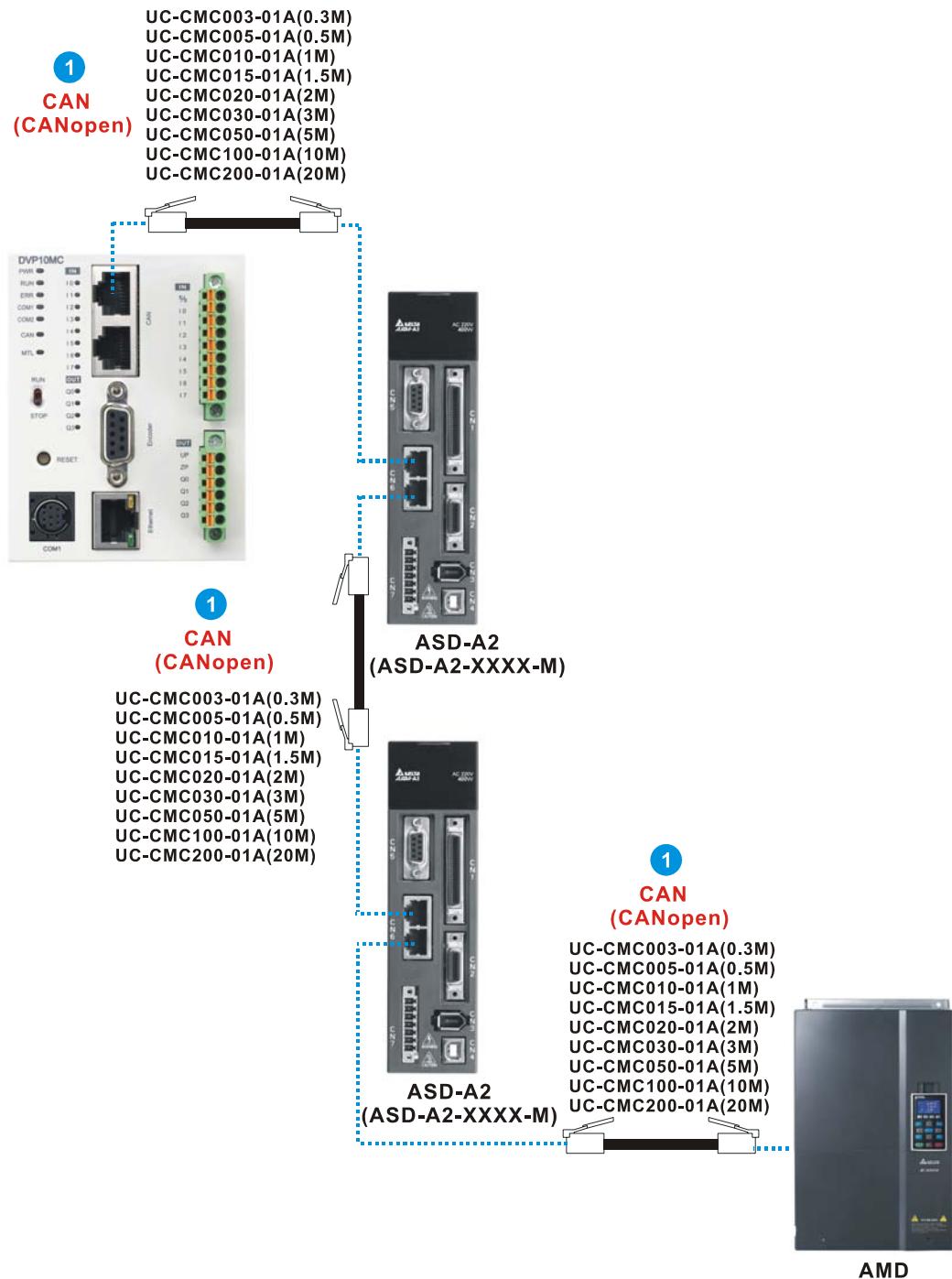
第3章 運動控制電纜

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3.1 CANopen 運動控制電纜

3.1.1 DVP-MC 系列 (DVP10MC11T)

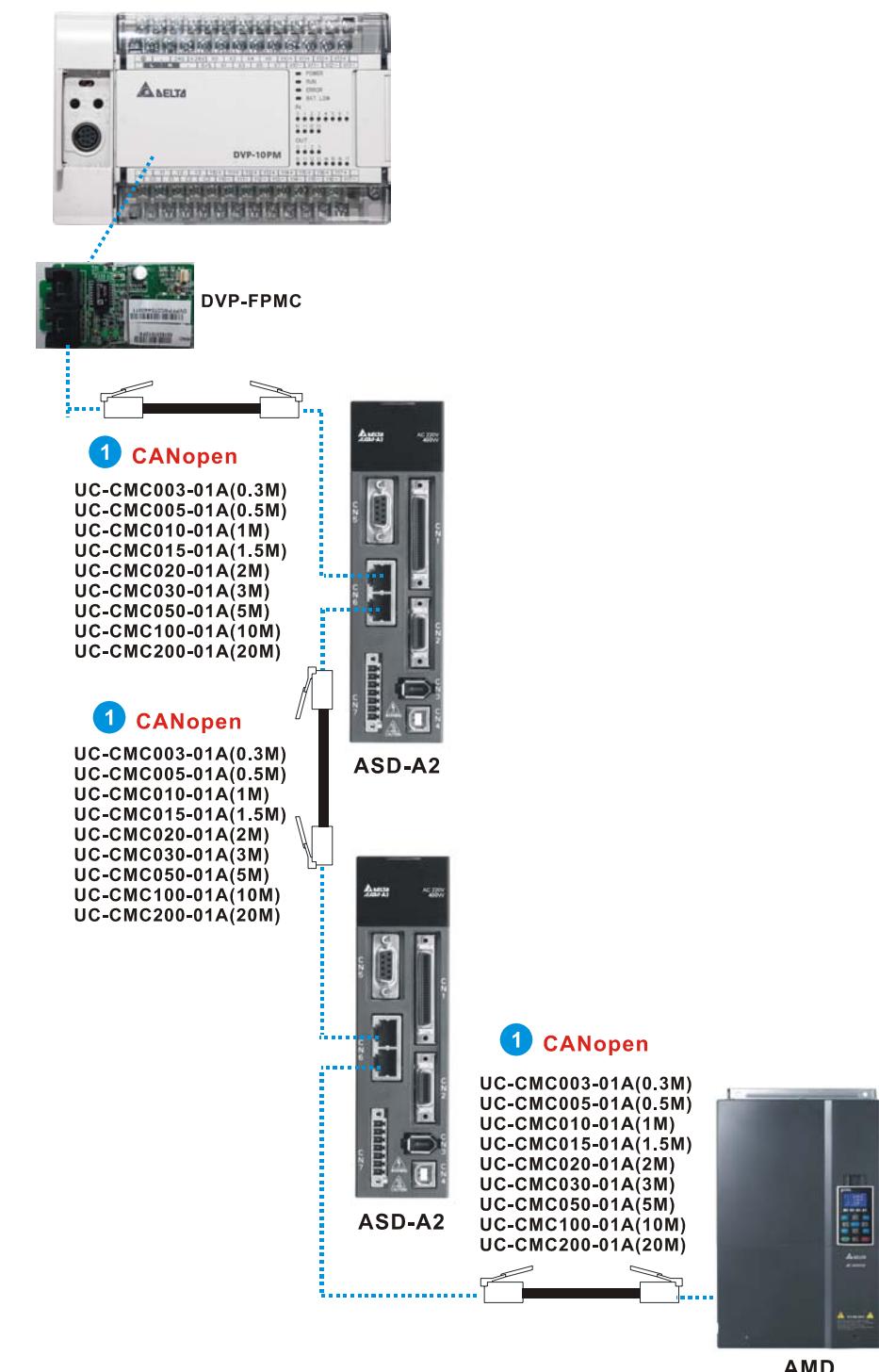


註：圖中的 1 2 3 ... 等標號詳細說明請參考第 3.4 節。

注意事項：建議在 CANopen 網路的電纜兩端各接一終端電阻 TAP-TR01，阻值為 121Ω。詳細內容請參考第 4 章。

3.1.2 DVP-PM 系列

DVP-PM 系列 (DVP10PM00M、DVP20PM00D、DVP20PM00M)

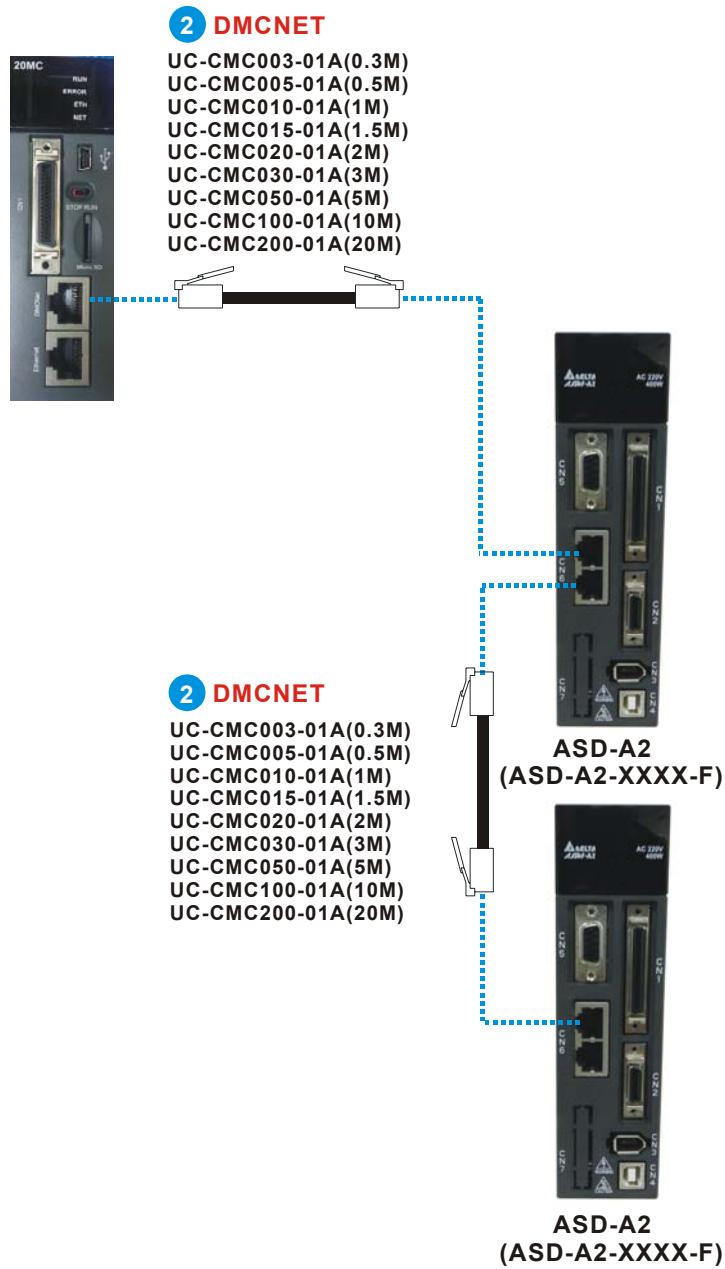


註：圖中的 1 2 3 ... 等標號詳細說明請參考第 3.4 節。

注意事項：建議在 CANopen 網路的電纜兩端各接一終端電阻 TAP-TR01，阻值為 121Ω 。詳細內容請參考第 4 章。

3.2 DMCNET 運動控制電纜

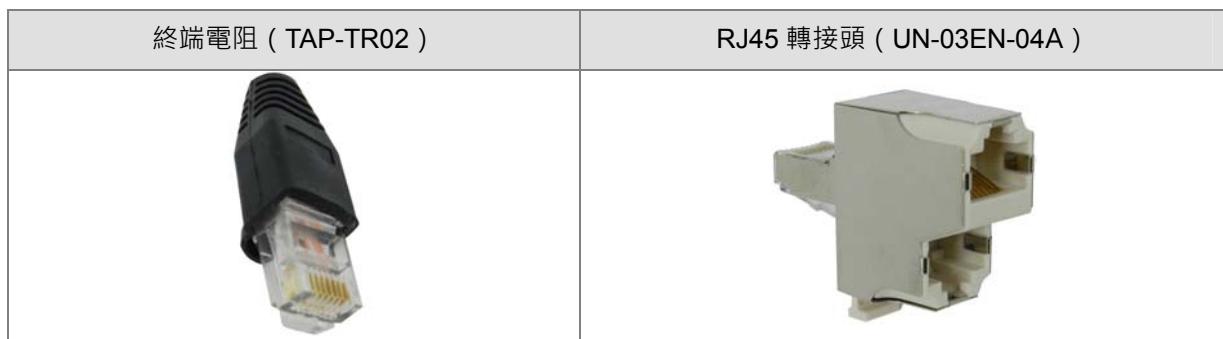
3.2.1 AH20MC-5A 機種



註：圖中的 **1** **2** **3** ...等標號詳細說明請參考第 3.4 節。

注意事項：

1. DMCNET 如果纜線總長度較長，一般指超過 5 米，建議在電纜的起點與終點兩端各接一終端電阻，避免訊號不穩定造成伺服驅動器動作異常，注意纜線起點處需額外搭配一組 RJ45 一公二母轉接頭才可接終端電阻。
2. 纜線總長度 5 米以下則僅需於終點加一終端電阻。
3. 終端電阻型號：TAP-TR02，阻值為 150Ω 。RJ45 轉接頭型號：UN-03EN-04A。如下圖所示。

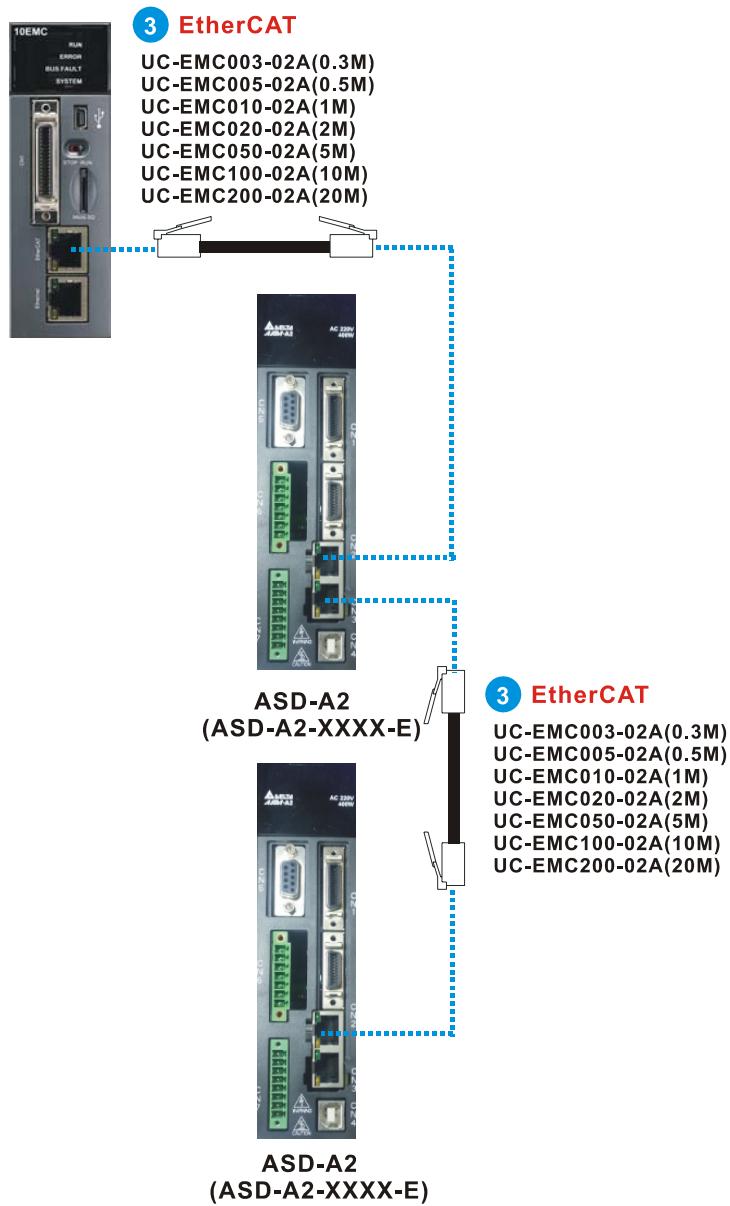


4. 電纜起點與終點的終端電阻詳細安裝方式，請參考下圖。



3.3 EtherCAT 運動控制電纜

3.3.1 AH10EMC-5A 機種



註：圖中的 1 2 3 ... 等標號詳細說明請參考第 3.4 節。

3.4 電纜接線型號

1 CANopen

| 主機 | 轉接頭 | 模組/界面卡 | 纜線 | 連接機器 |
|------------|-----|--------|-------------------------------|---------|
| DVP10MC11T | -- | -- | RJ45 ↔ RJ45 | AMD/ASD |
| | | | UC-CMC003-01A (0.3M)(圖 1) | |
| | | | UC-CMC005-01A (0.5M)(圖 1) | |
| | | | UC-CMC010-01A (1M)(圖 1) | |
| | | | UC-CMC015-01A (1.5M)(圖 1) | |
| | | | UC-CMC020-01A (2M)(圖 1) | |
| | | | UC-CMC030-01A (3M)(圖 1) | |
| | | | UC-CMC050-01A (5M)(圖 1) | |
| | | | UC-CMC100-01A (10M)(圖 1) | |
| | | | UC-CMC200-01A (20M)(圖 1) | |

2 DMCNET

| 主機 | 轉接頭 | 模組/界面卡 | 纜線 | 連接機器 |
|----|-----|-----------|-------------------------------|------|
| -- | -- | AH20MC-5A | RJ45 ↔ RJ45 | ASD |
| | | | UC-CMC003-01A (0.3M)(圖 1) | |
| | | | UC-CMC005-01A (0.5M)(圖 1) | |
| | | | UC-CMC010-01A (1M)(圖 1) | |
| | | | UC-CMC015-01A (1.5M)(圖 1) | |
| | | | UC-CMC020-01A (2M)(圖 1) | |
| | | | UC-CMC030-01A (3M)(圖 1) | |
| | | | UC-CMC050-01A (5M)(圖 1) | |
| | | | UC-CMC100-01A (10M)(圖 1) | |
| | | | UC-CMC200-01A (20M)(圖 1) | |

3 EtherCAT

| 主機 | 轉接頭 | 模組/界面卡 | 電纜 | 連接機器 |
|------------|-----|--------|-------------------------------|------|
| AH10EMC-5A | -- | -- | RJ45 ↔ RJ45 | ASD |
| | | | UC-EMC003-02A (0.3M)(圖 2) | |
| | | | UC-EMC005-02A (0.5M)(圖 2) | |
| | | | UC-EMC010-02A (1M)(圖 2) | |
| | | | UC-EMC020-02A (2M)(圖 2) | |
| | | | UC-EMC050-02A (5M)(圖 2) | |
| | | | UC-EMC100-02A (10M)(圖 2) | |
| | | | UC-EMC200-02A (20M)(圖 2) | |

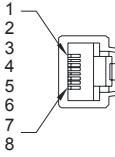
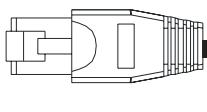
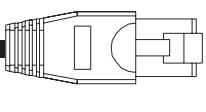
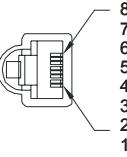
3.5 電纜型號說明

| | | |
|-----|------------------------|-------------|
| 圖 1 | UC-CMC003-01A (0.3M) | RJ45 ↔ RJ45 |
| | UC-CMC005-01A (0.5M) | |
| | UC-CMC010-01A (1M) | |
| | UC-CMC015-01A (1.5M) | |
| | UC-CMC020-01A (2M) | |
| | UC-CMC030-01A (3M) | |
| | UC-CMC050-01A (5M) | |
| | UC-CMC100-01A (10M) | |
| | UC-CMC200-01A (20M) | |



CANopen

| | |
|-------------------|-------------------|
| 1 (黑色): CAN+ | 5 (藍色): CAN+ |
| 2 (橙色): CAN- | 6 (白色): CAN- |
| 3 (棕色): CAN_GND | 7 (黃色): CAN_GND |
| 4 (灰色): -- | 8 (綠色): -- |

| DMCNET | | |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1 (黑色) : DMCNET_D1+ | 5 (藍色) : -- | |
| 2 (橙色) : DMCNET_D1- | 6 (白色) : DMCNET_D2- | |
| 3 (棕色) : DMCNET_D2+ | 7 (黃色) : -- | |
| 4 (灰色) : -- | 8 (綠色) : -- | |
| 圖 2 | UC-EMC003-02A (0.3M) UC-EMC005-02A (0.5M) UC-EMC010-02A (1M) UC-EMC020-02A (2M) UC-EMC050-02A (5M) UC-EMC100-02A (10M) UC-EMC200-02A (20M) | RJ45 ↔ RJ45 |
| |     | |
| | 1 :(橘/白) EtherCAT_TX+ 2 :(橘) EtherCAT_TX- 3 :(綠/白) EtherCAT_RX+ 6 :(綠) EtherCAT_RX- | |

MEMO

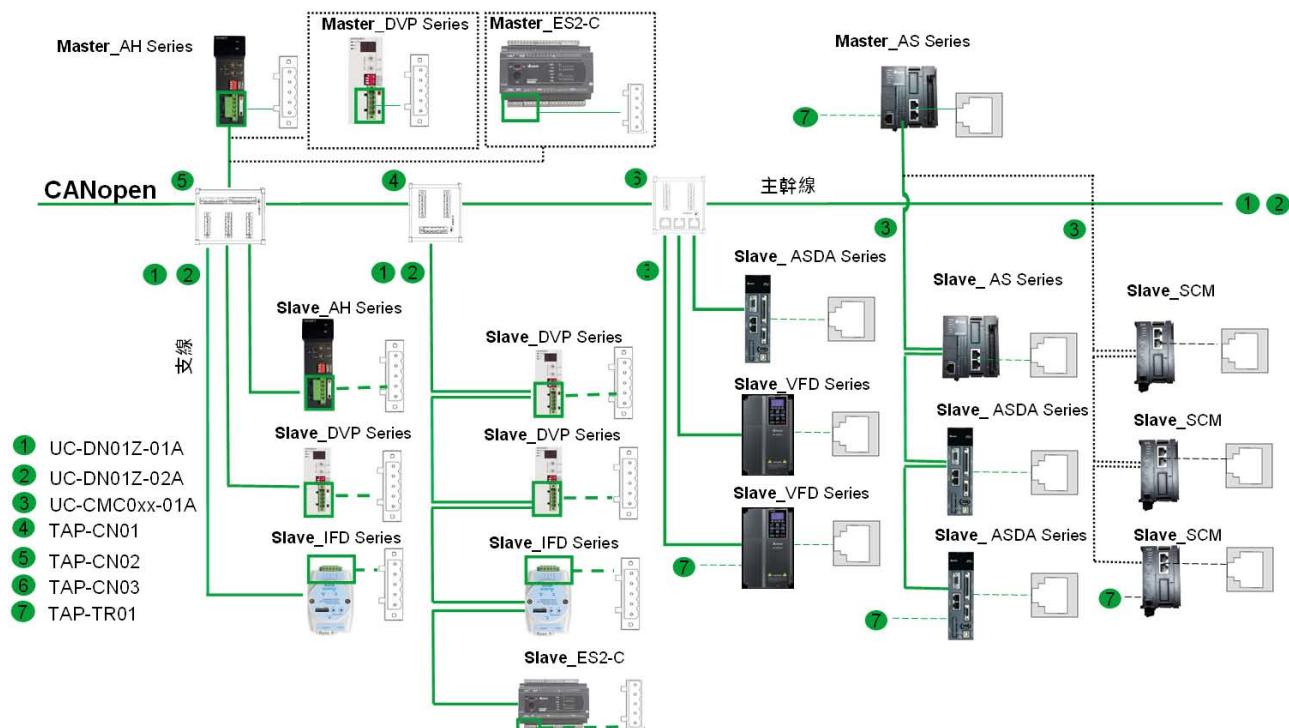
4

第4章 網路通訊電纜

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4.1 CANopen 通訊



注意事項：CANopen 建議於 CANopen 通訊電纜的兩端分別安裝終端電阻以維持訊號的穩定。終端電阻相關資料請參考第 4.1.3 節。

4.1.1 CANopen 適用機種

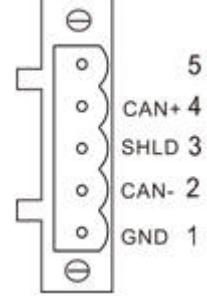
| 通訊口 | 分類 | 機種 | 連接器 | 電纜 | 分接盒 |
|-----|-------------------|--------------------------------------------------------------|-----|----|-----|
| | Master_AH series | AH10COPM-5A | -- | ① | ④ ⑤ |
| | Master_DVP series | DVPCOPM-SL | -- | ① | ④ ⑤ |
| | Slave_AH series | AH10COPM-5A | -- | ② | ⑤ |
| | Slave_DVP series | DVPCP02-H2 | -- | ② | ④ ⑤ |
| | Slave_IFD series | IFD9503 | -- | ② | ④ ⑤ |
| | Master_ES2-C | DVP32ES200RC、DVP32ES200TC | -- | ① | ④ ⑤ |
| | Slave_ES2-C | DVP32ES200RC、DVP32ES200TC | -- | ② | ④ ⑤ |
| | Slave_VFD series | VFD-C2000 系列、VFD-CP2000 系列、VFD-CH200 系列、VFD-C200 系列、VFD-E 系列 | -- | ③ | ⑥ |
| | Slave_ASDA series | ASDA-A2 系列 | -- | ③ | ⑥ |

| 通訊口 | 分類 | 機種 | 連接器 | 電纜 | 分接盒 |
|-----|------------------|-----------------------------|-----|----|-----|
| | Master_AS series | AS332T-A、AS332P-A、AS324MT-A | -- | | -- |
| | Slave_SCM | AS00SCM-A | -- | | -- |

4.1.2 CANopen 通訊相關規格

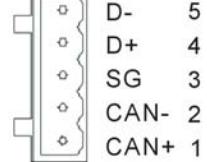
- 5-PIN 腳位定義 (CANopen)

| 腳位定義 | | |
|------|------|---------|
| 腳位 | 訊號 | 敘述 |
| 1 | GND | 0 VDC |
| 2 | CAN- | Signal- |
| 3 | SHLD | 遮蔽線 |
| 4 | CAN+ | Signal+ |
| 5 | 保留 | 保留 |



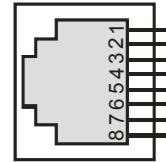
- 5-PIN 腳位定義 (ES2-C)

| 腳位定義 | | |
|------|------|---------|
| 腳位 | 訊號 | 敘述 |
| 1 | CAN+ | Signal+ |
| 2 | CAN- | Signal- |
| 3 | SG | 0 VDC |
| 4 | D+ | RS-485+ |
| 5 | D- | RS-485- |



● RJ-45 腳位定義

| 腳位定義 | | |
|------|----------|---------|
| 腳位 | 訊號 | 敘述 |
| 1 | CAN+ | Signal+ |
| 2 | CAN- | Signal- |
| 3 | CAN_GND | 0V DC |
| 4 | RESE_1 | 保留 |
| 5 | RESE_2 | 保留 |
| 6 | CAN_SHLD | 遮蔽線 |
| 7 | CAN_GND | 0V DC |
| 8 | RESE_3 | 保留 |



4

● 電纜

| | | 型號 | 長度 | 線徑 (AWG) |
|---|--|---------------|-------|----------------------------|
| 1 | | UC-DN01Z-01A | 305M | 2#15 · 2#18 SHLD PVC (粗) |
| 2 | | UC-DN01Z-02A | 305M | 2#22 · 2#24 SHLD PVC (細) |
| 3 | | UC-CMC003-01A | 0.3M | 4#26 · 1#24 PVC (細) |
| 3 | | UC-CMC005-01A | 0.5M | 4#26 · 1#24 PVC (細) |
| 3 | | UC-CMC010-01A | 1.0M | 4#26 · 1#24 PVC (細) |
| 3 | | UC-CMC015-01A | 1.5M | 4#26 · 1#24 PVC (細) |
| 3 | | UC-CMC020-01A | 2.0M | 4#26 · 1#24 PVC (細) |
| 3 | | UC-CMC030-01A | 3.0M | 4#26 · 1#24 PVC (細) |
| 3 | | UC-CMC050-01A | 5.0M | 4#26 · 1#24 PVC (細) |
| 3 | | UC-CMC100-01A | 10.0M | 4#26 · 1#24 PVC (細) |
| 3 | | UC-CMC200-01A | 20.0M | 4#26 · 1#24 PVC (細) |

註 1：此電纜的最大訂購長度為 305M (一卷)，最小訂購長度為 1M，以公尺為單位。

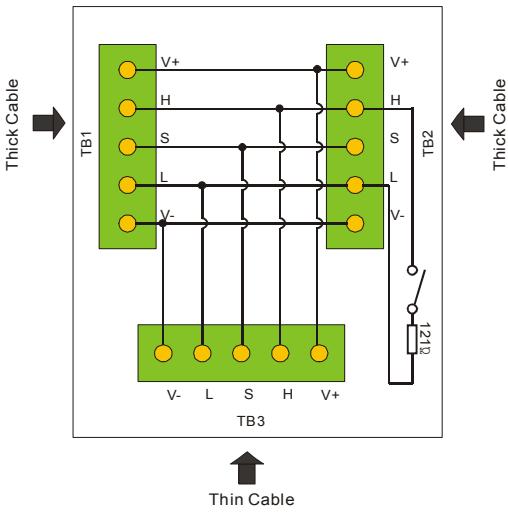
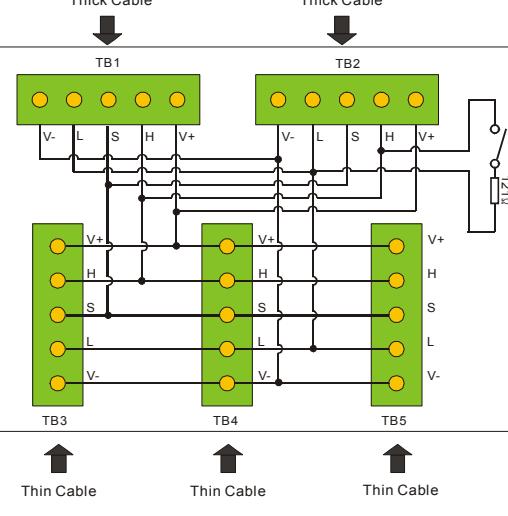
註 2：1 UC-DN01Z-01A 和 2 UC-DN01Z-02A 可以做為主幹線電纜，也可以做為支線電纜。須注意各別支援的最長通訊距離不同，此二電纜在不同 CANopen 傳輸速率下所支援的最長通訊距離如下所示：

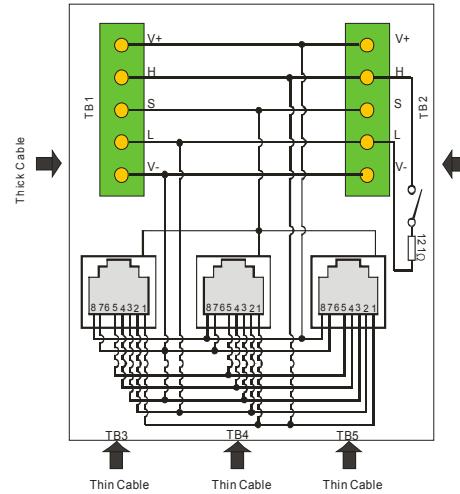
| CANopen 傳輸速率 (bit/s) | 125K | 250K | 500K | 1M |
|--------------------------|------|------|------|----|
| UC-DN01Z-01A 最長通訊距離(m) | 500 | 250 | 100 | 40 |
| UC-DN01Z-02A 最長通訊距離(m) | 100 | 100 | 100 | 40 |

註 3：CANopen 規範了傳輸速率的最長通訊距離，各通訊速率與最長通訊距離關係下表所示。

| 傳送速率 (bit/s) | 10K | 20K | 50K | 125K | 250K | 500K | 800K | 1M |
|--------------|------|------|------|------|------|------|------|----|
| 最長通訊距離 (m) | 5000 | 2500 | 1000 | 500 | 250 | 100 | 50 | 40 |

● 分接盒

| 型號 | 電路圖 |
|------------|--------------------------------------------------------------------------------------|
| 4 TAP-CN01 |  |
| 5 TAP-CN02 |  |

| 型號 | | 電路圖 |
|------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 6 TAP-CN03 |  |  |
| 4 連接器 | | 脫落式端子 (5.08mm) |
| 終端電阻 | | 121Ω |

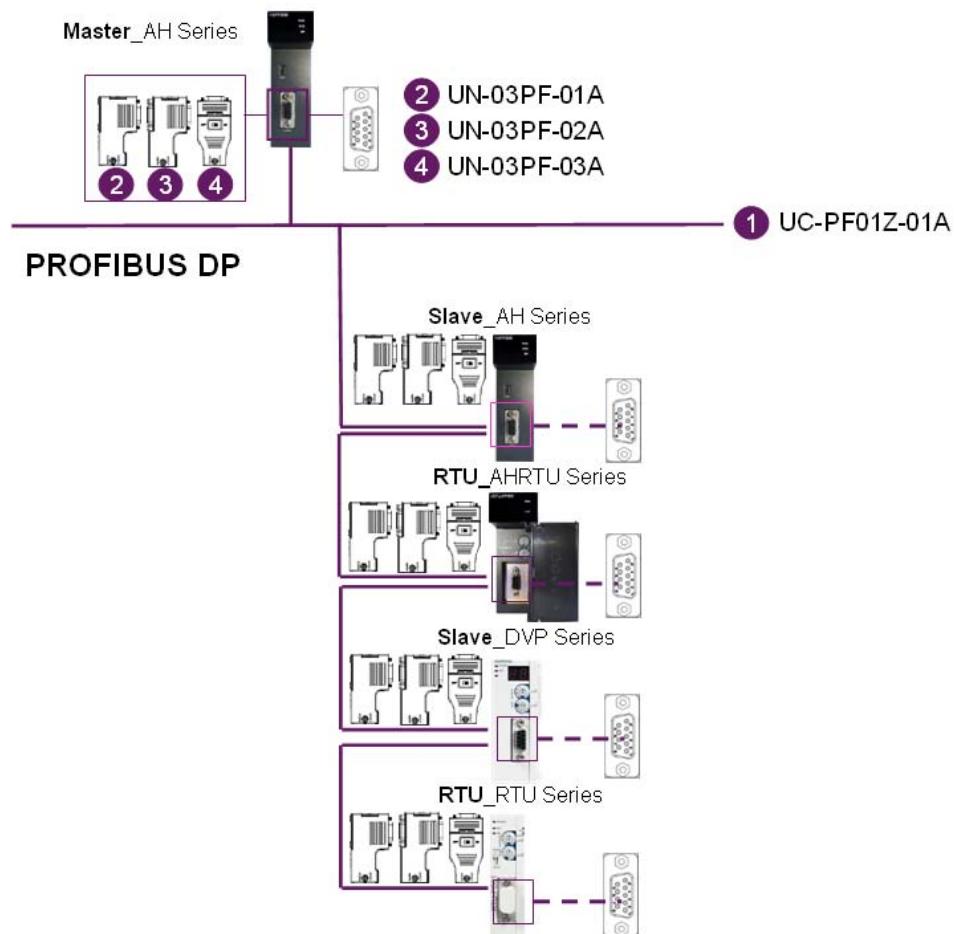
4.1.3 終端電阻

CANopen 建議於 CANopen 通訊電纜的兩端分別安裝終端電阻，終端電阻作用為通訊訊號的阻抗匹配，可降低訊號反射干擾正常訊號傳送的現象，終端電阻阻值為 121Ω ($1/4$ 瓦)。

1. 電纜起點的終端電阻：可使用分接盒上的終端電阻，亦即將終端電阻開關設定為 ON 。
 2. 電纜終點的終端電阻：需接一終端電阻 TAP-TR01 。
- 終端電阻型號：TAP-TR01，阻值： 121Ω ($1/4$ 瓦)。如下圖所示。

| |
|-------------------------------------------------------------------------------------|
| 7 TAP-TR01 |
|  |

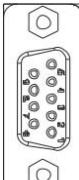
4.2 PROFIBUS DP 通訊



註：當網路中的硬體設備超過 32 個，或者通訊速率對應的通訊長度已經超過規定長度時（請參考下表），可使用 RS-485 中繼器（IFD5710）來延伸電纜連接長度。

| 通訊速率 (bps) | 9.6K | 19.2K | 93.75K | 187.5K | 500K | 1.5M | 3M | 6M | 12M |
|--------------|------|-------|--------|--------|------|------|-----|----|-----|
| 長度 (m) | 1200 | | | 1000 | 400 | 200 | 100 | | |

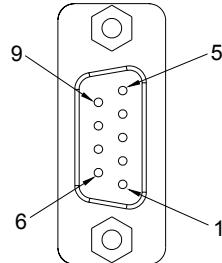
4.2.1 PROFIBUS DP 適用機種

| 通訊口 | 分類 | 機種 | 連接器 | 電纜 | 分接盒 |
|-------------------------------------------------------------------------------------|-------------------|---------------------------------|-------|----|-----|
|  | Master_AH series | AH10PFBM-5A | 2 3 4 | 1 | -- |
| | Master_DVP series | -- | -- | -- | -- |
| | Slave_AH series | AH10PFBS-5A | 2 3 4 | 1 | -- |
| | Slave_DVP series | DVPPF01-S、DVPPF02-SL、DVPPF02-H2 | 2 3 4 | 1 | -- |
| | RTU_AHRTU series | AHRTU-PFBS-5A | 2 3 4 | 1 | -- |
| | RTU_RTU series | RTU-PD01 | 2 3 4 | 1 | -- |

4.2.2 PROFIBUS DP 通訊相關規格

- 腳位定義

| 腳位 | 定義 | 敘述 | |
|----|-----------|-----------|--|
| 1 | N/C | -- | |
| 2 | N/C | -- | |
| 3 | Rxd/Txd-P | 接收/傳送資料正極 | |
| 4 | N/C | -- | |
| 5 | DGND | 資料參考電位 | |
| 6 | VP | 提供正電壓 | |
| 7 | N/C | -- | |
| 8 | Rxd/Txd-N | 接收/傳送資料負極 | |
| 9 | N/C | -- | |



4

- 連接器

| | 2 | 3 | 4 |
|--------------------|-------------|-------------|-------------|
| 型號 | UN-03PF-01A | UN-03PF-02A | UN-03PF-03A |
| 連接頭 | DB9 公座 | DB9 公座 | DB9 公座 |
| 程式規劃接頭 | -- | DB9 母座 | -- |
| 終端電阻 ^{*1} | 120Ω | 120Ω | 120Ω |

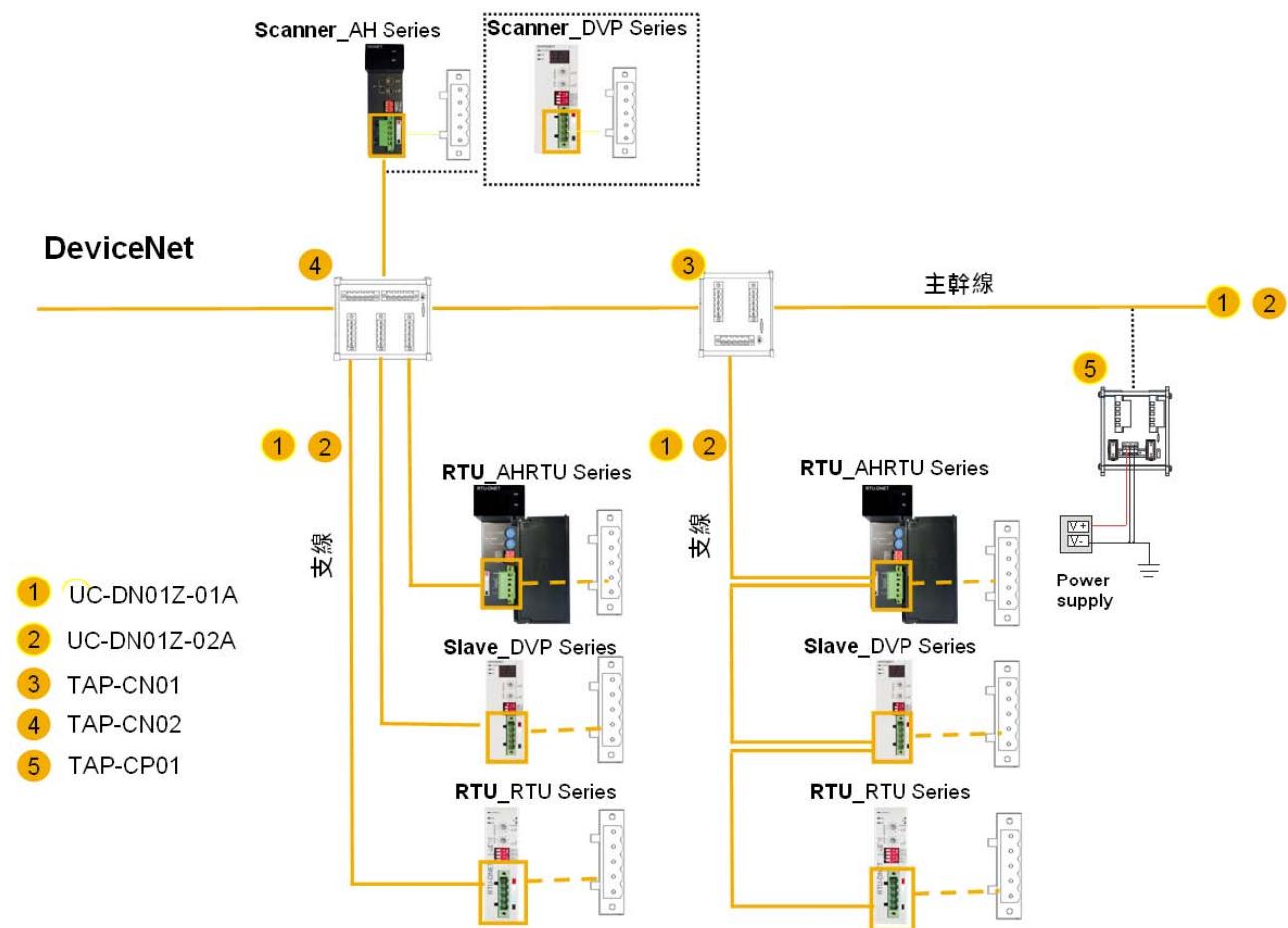
*¹. 當連接器位於 PROFIBUS 網路的兩端時，請將連接器開關設定為 ON；當連接器不是位於 PROFIBUS 網路的兩端時，請將連接器開關設為「OFF」。

- 電纜

| 1 | 型號 | 長度 | 線徑 |
|---|--------------|------|------------------------|
| | UC-PF01Z-01A | 305M | 1PR #22 AWG FRFPE FRPE |

註：此電纜的最大訂購長度為 305M (一卷)，最小訂購長度為 1M，以公尺為單位。

4.3 DeviceNet 通訊



注意事項：DeviceNet 要求在 DeviceNet 通訊電纜的兩端分別安裝終端電阻，終端電阻的阻值為 121Ω (1/4 瓦)。

終端電阻相關資料請參考第 4.3.3 節。

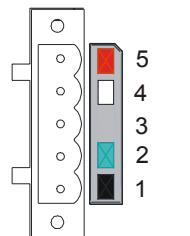
4.3.1 DeviceNet 適用機種

| 通訊口 | 分類 | 機種 | 電纜 | 分接盒 |
|-----|--------------------|-----------------------------------|-----|-------|
| | Scanner_AH series | AH10DNET-5A | 1 2 | 3 4 5 |
| | Scanner_DVP series | DVPDNET-SL | 1 2 | 3 4 5 |
| | Slave_AH series | -- | -- | -- |
| | Slave_DVP series | DVPDT01-S、DVPDT02-H2、 RTU-DNET | 1 2 | 3 4 5 |
| | RTU_AHRTU series | AHRTU-DNET-5A、AH10EMC-5A | 1 2 | 3 4 5 |
| | RTU_RTU series | RTU-DNET | 1 2 | 3 4 5 |

4.3.2 DeviceNet 通訊相關規格

- 腳位定義

| 腳位 | 定義 | 顏色 | 敘述 | |
|----|--------|----|---------|--|
| 1 | V- | 黑色 | 0V DC | |
| 2 | CAN_L | 藍色 | Signal | |
| 3 | SHIELD | - | 遮蔽線 | |
| 4 | CAN_H | 白色 | Signal+ | |
| 5 | V+ | 紅色 | 24V DC | |



- 電纜

| | | 型號 | 長度 | 線徑 (AWG) |
|---|-----------------------------------------------------------------------------------|--------------|------|----------------------------|
| 1 |  | UC-DN01Z-01A | 305M | 2#15 · 2#18 SHLD PVC (粗) |
| 2 |  | UC-DN01Z-02A | 305M | 2#22 · 2#24 SHLD PVC (細) |

註 1：此電纜的最大訂購長度為 305M (一卷)，最小訂購長度為 1M，以公尺為單位。

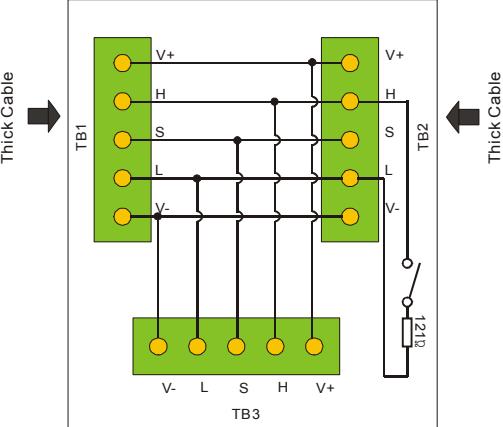
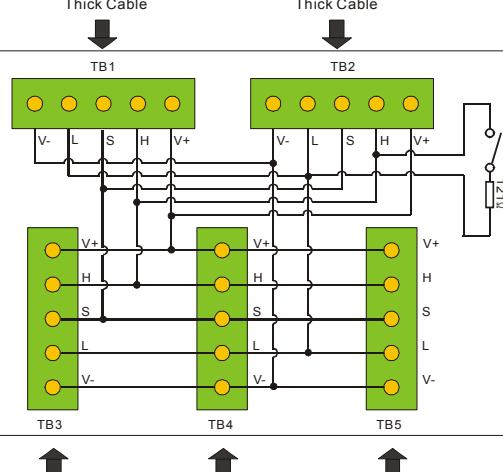
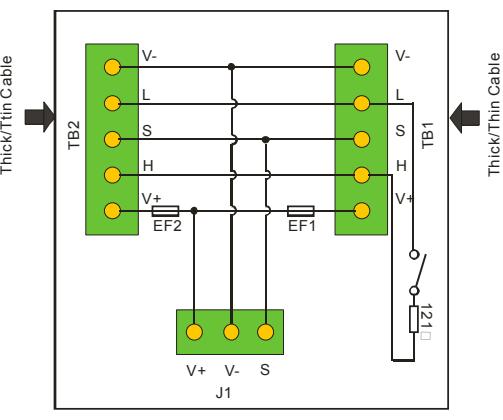
註 2：**1** UC-DN01Z-01A 和 **2** UC-DN01Z-02A 可以做為主幹線電纜，也可以做為支線電纜。須注意各別支援的最長通訊距離不同，此二電纜在不同 DeviceNet 傳輸速率下所支援的最長通訊距離如下所示：

| DeviceNet 傳輸速率 (bit/s) | 125K | 250K | 500K |
|---------------------------|------|------|------|
| UC-DN01Z-01A 最長通訊距離 (m) | 500 | 250 | 100 |
| UC-DN01Z-02A 最長通訊距離 (m) | 100 | 100 | 100 |

註 3：DeviceNet 規範了傳輸速率的最長通訊距離，各通訊速率與最長通訊距離關係如下表所示。

| 傳送速率 (bit/s) | 10K | 20K | 50K | 125K | 250K | 500K |
|----------------|------|------|------|------|------|------|
| 最長通訊距離 (m) | 5000 | 2500 | 1000 | 500 | 250 | 100 |

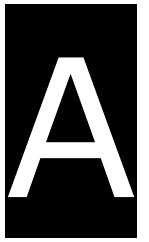
● 分接盒

| 型號 | 電路圖 |
|-----------------------|--------------------------------------------------------------------------------------|
| 3 TAP-CN01 |  |
| 4 TAP-CN02 |  |
| 5 TAP-CP01 (電源分接盒) |  |
| 連接器 | 脫落式端子 (5.08mm) |
| 終端電阻 | 121Ω |

4.3.3 終端電阻

DeviceNet 要求在 DeviceNet 通訊電纜的兩端分別安裝終端電阻，終端電阻的阻值為 121Ω (1/4 瓦)。

1. 電纜起點的終端電阻：可使用分接盒上的終端電阻，亦即將終端電阻開關設定為 ON 。
2. 電纜終點的終端電阻：需接一終端電阻，阻值為 121Ω (1/4 瓦)。



附錄A 電纜一覽表

目錄

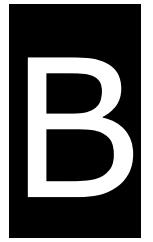
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A.1 電纜一覽表

| 類別 | 型號 | 用途 |
|-----------------|---------------|-----------------------------------------------------|
| PLC 編程及串列通訊連接電纜 | UC-PRG015-01A | PLC (mini USB) 連接 PC 之程式規劃電纜 · 1.5M |
| | UC-PRG015-02A | TP (USB B type) 連接 PC 之程式規劃電纜 · 1.5M |
| | UC-PRG020-12A | PLC (DB9 母座/8-pin mini-DIN 公座) 連接 PC 之程式規劃電纜 · 2M |
| | UC-PRG030-01A | PLC (mini USB) 連接 PC 之程式規劃電纜 · 3M |
| | UC-PRG030-02A | TP (USB B type) 連接 PC 之程式規劃電纜 · 3M |
| | UC-PRG030-10A | PLC/HMI/TP (DB9 母座) 連接 PC 之程式規劃電纜 · 3M |
| | UC-PRG030-20A | PLC/HMI (RJ45) 連接 PC 之程式規劃電纜 · 3M |
| | UC-PRG050-02A | DOP (USB B type) 連接 PC 之程式規劃電纜 · 5M |
| | UC-MS010-02A | PLC (8-pin mini-DIN 公座) 連接 PC 之程式規劃電纜 · 1M |
| | UC-MS020-01A | PLC (8-pin mini-DIN 公座) 連接 PC 之程式規劃電纜 · 2M |
| | UC-MS020-06A | PLC (8-pin mini-DIN 公座) 連接 HMI 之程式規劃電纜 · 2M |
| | UC-MS030-01A | PLC (8-pin mini-DIN 公座) 連接 PC 之程式規劃電纜 · 3M |
| | UC-MS030-06A | PLC (8-pin mini-DIN 公座) 連接 HMI 之程式規劃電纜 · 3M |
| | UC-MS030-03A | TP (DB9 母座) 連接 AH500 PLC 之程式規劃電纜 · 3M |
| | UC-MS030-04A | AH500 PLC (DB9 公座) 連接 DMV 之程式規劃電纜 · 3M |
| I/O 模組連接電纜 | UC-ET010-13B | 配線模組之 I/O 連接電纜 (HDC) · 1M |
| | UC-ET010-15B | 配線模組之 I/O 連接電纜 (HDC) · 1M |
| | UC-ET010-24A | 配線模組之 I/O 連接電纜 (牛角座 IDC40 to IDC40) · 1M |
| | UC-ET010-24B | 配線模組之 I/O 連接電纜 (牛角座 IDC40 to IDC40) · 1M (隔離) |
| | UC-ET010-24C | 配線模組之 I/O 連接電纜 (牛角座 IDC40 to IDC20x2) · 1M |
| | UC-ET010-24D | 配線模組之 I/O 連接電纜 (牛角座 IDC40 to IDC20x2) · 1M (隔離) |
| | UC-ET010-33B | 配線模組之 I/O 連接電纜 (DB37) · 1M |
| | UC-ET020-24B | 配線模組之 I/O 連接電纜 (牛角座 IDC40 to IDC40) · 2M (隔離) |
| | UC-ET020-24D | 配線模組之 I/O 連接電纜 (牛角座 IDC40 to IDC20x2) · 2M (隔離) |
| | UC-ET030-24B | 配線模組之 I/O 連接電纜 (牛角座 IDC40 to IDC40) · 3M (隔離) |
| | UC-ET030-24D | 配線模組之 I/O 連接電纜 (牛角座 IDC40 to IDC20x2) · 3M (隔離) |
| | AHACAB06-5A | 延伸背板之 I/O 連接電纜 · 0.6M |
| | AHACAB10-5A | 延伸背板之 I/O 連接電纜 · 1M |
| | AHACAB15-5A | 延伸背板之 I/O 連接電纜 · 1.5M |
| | AHACAB30-5A | 延伸背板之 I/O 連接電纜 · 3M |
| | AHACAB50-5A | 延伸背板之 I/O 連接電纜 · 5M |

| 類別 | 型號 | 用途 |
|------------|---------------|------------------------|
| I/O 模組連接電纜 | AHACABA0-5A | 延伸背板之 I/O 連接電纜 · 10M |
| | AHACABA5-5A | 延伸背板之 I/O 連接電纜 · 15M |
| | AHACABB0-5A | 延伸背板之 I/O 連接電纜 · 20M |
| | AHACABC0-5A | 延伸背板之 I/O 連接電纜 · 30M |
| | AHACABD0-5A | 延伸背板之 I/O 連接電纜 · 40M |
| | AHACABE0-5A | 延伸背板之 I/O 連接電纜 · 50M |
| | AHACABF0-5A | 延伸背板之 I/O 連接電纜 · 60M |
| | AHACABG0-5A | 延伸背板之 I/O 連接電纜 · 70M |
| | AHACABH0-5A | 延伸背板之 I/O 連接電纜 · 80M |
| | AHACABJ0-5A | 延伸背板之 I/O 連接電纜 · 90M |
| 運動控制電纜 | AHACABK0-5A | 延伸背板之 I/O 連接電纜 · 100M |
| | UC-CMC003-01A | CANopen 通訊連接電纜 · 0.3M |
| | UC-CMC005-01A | CANopen 通訊連接電纜 · 0.5M |
| | UC-CMC010-01A | CANopen 通訊連接電纜 · 1M |
| | UC-CMC015-01A | CANopen 通訊連接電纜 · 1.5M |
| | UC-CMC020-01A | CANopen 通訊連接電纜 · 2M |
| | UC-CMC030-01A | CANopen 通訊連接電纜 · 3M |
| | UC-CMC050-01A | CANopen 通訊連接電纜 · 5M |
| | UC-CMC100-01A | CANopen 通訊連接電纜 · 10M |
| | UC-CMC200-01A | CANopen 通訊連接電纜 · 20M |
| | UC-EMC003-02A | EtherCAT 通訊連接電纜 · 0.3M |
| | UC-EMC005-02A | EtherCAT 通訊連接電纜 · 0.5M |
| | UC-EMC010-02A | EtherCAT 通訊連接電纜 · 1M |
| | UC-EMC020-02A | EtherCAT 通訊連接電纜 · 2M |
| 網路通訊電纜 | UC-EMC050-02A | EtherCAT 通訊連接電纜 · 5M |
| | UC-EMC100-02A | EtherCAT 通訊連接電纜 · 10M |
| | UC-EMC200-02A | EtherCAT 通訊連接電纜 · 20M |
| | UC-CMC003-01A | CANopen 通訊連接電纜 · 0.3M |
| | UC-CMC005-01A | CANopen 通訊連接電纜 · 0.5M |
| | UC-CMC010-01A | CANopen 通訊連接電纜 · 1M |
| | UC-CMC015-01A | CANopen 通訊連接電纜 · 1.5M |

| 類別 | 型號 | 用途 |
|---------|---------------|-----------------------------------------|
| 網路通訊電纜 | UC-CMC100-01A | CANopen 通訊連接電纜 · 10M |
| | UC-CMC200-01A | CANopen 通訊連接電纜 · 20M |
| | UC-DN01Z-01A | DeviceNet 通訊連接電纜 · 305M |
| | UC-DN01Z-02A | DeviceNet 通訊連接電纜 · 305M |
| | UC-PF01Z-01A | PROFIBUS 通訊連接電纜 · 305M |
| 配線模組 | UB-10-ID16A | 數位輸入模組之配線模組 (牛角座) |
| | UB-10-ID32A | 數位輸入模組之配線模組 (牛角座) |
| | UB-10-ID32B | 數位輸入模組之配線模組 (DB37) |
| | UB-10-OR16A | 數位輸出模組之配線模組 (16 點繼電器輸出 · 牛角座) |
| | UB-10-OR16B | 數位輸出模組之配線模組 (16 點繼電器輸出 · 牛角座) |
| | UB-10-OR32A | 數位輸出模組之配線模組 (32 點繼電器輸出 · DB37) |
| | UB-10-OR32B | 數位輸出模組之配線模組 (32 點繼電器輸出 · DB37) |
| | UB-10-OT32A | 數位輸出模組之配線模組 (32 點電晶體輸出 · 牛角座) |
| | UB-10-OT32B | 數位輸出模組之配線模組 (32 點電晶體輸出 · DB37) |
| | UB-10-IO16C | 運動控制模組之配線模組 (HDC) |
| | UB-10-IO22C | 運動控制模組之配線模組 (HDC) |
| | UB-10-IO24C | 運動控制模組之配線模組 (HDC) |
| | UB-10-IO34C | 運動控制模組之配線模組 (HDC) |
| 分接盒/轉接頭 | TAP-CN01 | DeviceNet/CANopen 分接盒 · 1 分 2 |
| | TAP-CN02 | DeviceNet/CANopen 分接盒 · 1 分 4 |
| | TAP-CN03 | DeviceNet/CANopen 分接盒 · 1 分 4 · RJ45 接頭 |
| | TAP-CP01 | 電源分接盒 |
| | UN-03EN-04A | RJ45 轉接頭 |
| | UN-03PF-01A | PROFIBUS 轉接頭 |
| | UN-03PF-02A | PROFIBUS 轉接頭 |
| 終端電阻 | UN-03PF-03A | PROFIBUS 轉接頭 |
| | TAP-TR01 | 終端電阻 · 121Ω |
| | TAP-TR02 | 終端電阻 · 150Ω |



附錄B USB 驅動程式

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| B.1 安裝UC-PRG020-12A/IFD6500 驅動程式 | B-2 |
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B.1 安裝 UC-PRG020-12A/IFD6500 驅動程式

雙擊 UC-PRG020-12A/IFD6500 驅動程式執行檔「CP210xVCPIinstaller_XXX.exe」(32 位元 Windows 作業系統請使用_x86.exe · 64 位元請使用_x64.exe) 後依下列步驟執行安裝。
驅動程式請至台達網頁下載：<http://www.deltawww.com/>

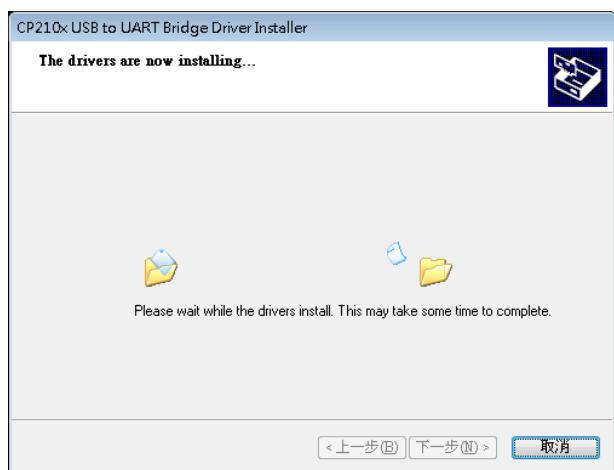
STEP 1



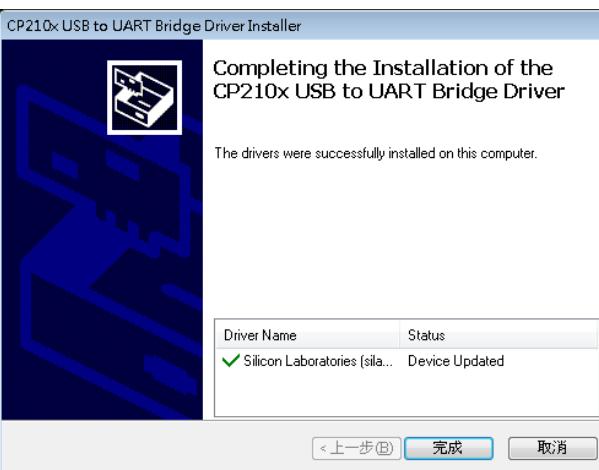
STEP 2



STEP 3



STEP 4



STEP 5

完成後將 UC-PRG020-12A/IFD6500 連接電腦，裝置管理員出現「Silicon Labs CP210x USB to UART Bridge(COMx)」，COMx 表示電腦連接之通訊埠。