WEINTEK LABS., INC.

HMI Pin Assignment

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1. Overview

This user manual lists the pin assignment tables of the HMI models as an additional reference in Device (PLC) Connection Guide for users to see how to connect their HMI with devices (PLC).

2. Pin Assignment

2.1. iP Series

2.1.1. MT6051iP / MT8051iP / MT8052iP

COM1 [RS232] / COM1 [RS485], COM3 [RS485], 9 Pin, Male, D-sub

PIN#	COM1	[RS485]	COM1 [RS232] COM3 [RS	COM3 [BC40E]
PIIN#	4 wire	2 wire		COIVIS [N3463]
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	TX+			
5			GND	
6			TxD	
7				Data-
8				Data+
9			RxD	

2.1.2. MT6071iP / MT8071iP / MT8071iP2 / MT8072iP

COM1 [RS232], COM2 [RS485] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]	COM2 [RS485]		
ΓIIN Π	COMIT [N3232]	4 wire	2 wire	
1		Rx-	Data-	
2		Rx+	Data+	
3		Tx-		
4		Tx+		
5		GND		
6	TxD			
7	RTS			
8	CTS			
9	RxD			





2.1.3. MT6103iP / MT8102iP / MT8106iP / MT8106iP (V2)

COM1 [RS232], COM3 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]	(COM3 [RS232]
1			
2	RxD		
3	TxD		
4			
5		GND	
6			
7	RTS		TxD
8	CTS		RxD
9		GND	

COM2 [RS485], COM3 [RS485] 9 Pin, Female, D-sub

PIN#	COM2 [R	RS485]	COM3 [RS485]
PIIN#	4 wire	2 wire	COIVIS [N3463]
1	Rx-	Data-	
2	Rx+	Data+	
3	Tx-		
4	TX+		
5		GN	ND .
6			Data-
7			
8			
9			Data+



2.2. iE Series

2.2.1. MT8050iE / MT8051iE / MT8053iE

COM1 [RS232], COM1 [RS485], COM3 [RS485], 9 Pin, Male, D-sub

PIN#	COM1 [R	S485]	COM1 [RS232] COM3 [RS4	COM2 [DC40E]
PIIN#	4 wire	2 wire		COIVIS [N3463]
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	TX+			
5			GND	
6			TxD	
7				Data-
8				Data+
9			RxD	

2.2.2. MT6070iE / MT8070iE / MT8100iE

COM1 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]
1	
2	RxD
3	TxD
4	
5	GND
6	
7	RTS
8	CTS
9	

COM1 [RS485], COM3 [RS485], 9 Pin, Female, D-sub

PIN#	COM1	[RS485]	COM3 [RS485]
r IIN#	4 wire	2 wire	CONS [N3483]
1	Rx-	Data-	
2	Rx+	Data+	
3	Tx-		
4	TX+		
5	GN	ND	
6			
7			Data-
8			Data+
9			GND



2.2.3. MT6071iE / MT8071iE / MT8101iE

COM1 [RS232] 9 Pin, Male, D-sub

001112 [1102 02] 0 1 111) 111a1c) 0			
COM1 [RS232]			
RxD			
TxD			
GND			
RTS			
CTS			

COM2 [RS485], COM3 [RS485], 9 Pin, Female, D-sub

PIN#	COM2 [RS485]		COM3 [RS485]
FIIN#	4 wire	2 wire	COMS [R3483]
1	Rx-	Data-	
2	Rx+	Data+	
3	Tx-		
4	TX+		
5		GND	
6			Data-
7			
8			
9			Data+

2.2.4. MT8073iE

COM1 [RS232], COM3 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]	COM3 [RS232]
1		
2	RxD	
3	TxD	
4		
5	GI	ND
6		
7	RTS	TxD
8	CTS	RxD
9	GI	ND





COM2 [RS485], COM3 [RS485] 9 Pin, Female, D-sub

PIN#	COM2 [RS485]		COM3 [RS485]	
FIIN#	4 wire	2 wire	COMS [NS485]	
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	TX+			
5		GN	ND .	
6			Data-	
7				
8				
9			Data+	

2.2.5. MT8102iE / MT8103iE

COM1 [RS232], COM3 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]	COM3 [RS232]
1		
2	RxD	
3	TxD	
4		
5	G	ND
6		
7	RTS	TxD
8	CTS	RxD
9	G	ND

COM1 [RS485], COM2 [RS485]. COM3 [RS485] 9 Pin, Female, D-sub

PIN#	N# COM1 [RS485]	COM2 [RS485]		COM3 [RS485]	
FIIN#		2 wire	4 wire	2 wire	4 wire
1		Data-	Rx-		
2		Data+	Rx+		
3			Tx-		
4			TX+		
5			GND		
6				Data-	Rx-
7	Data-				Tx-
8	Data+				TX+
9				Data+	Rx+



2.3.eMT Series

2.3.1. eMT3070 / eMT3105 / eMT3120 / eMT3150

COM1 [RS232], COM3 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]	COM3 [RS232]
1		
2	RxD	
3	TxD	
4		
5	GN	ID
6		
7	RTS	TxD
8	CTS RxD	
9		

COM1 [RS485], COM3 [RS485], CAN Bus, 9 Pin, Female, D-sub

	COMT [NO 100], COMO [NO 100], CAN DUS, STIM, Terriare, D 300			
PIN#	COM1 [RS485]		COM3 [RS485]	CAN Bus
FIIN	4 wire	2 wire		CAN bus
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	TX+			
5			GND	
6			Data-	
7				CAN_L
8				CAN_H
9			Data+	



2.4. XE Series

2.4.1. MT8090XE

COM1 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]
1	
2	RxD
3	TxD
4	
5	GND
6	
7	RTS
8	CTS
9	

COM2 [RS485], COM3 [RS485] 9 Pin, Female, D-sub

PIN#	COM2 [RS485]		COM3 [RS485]
r IIN#	4 wire	2 wire	COMS [NS485]
1	Rx-	Data-	
2	Rx+	Data+	
3	Tx-		
4	TX+		
5	GND		
6			Data-
7			
8			
9			Data+

2.4.2. MT8091XE

COM1 [RS232] 9 Pin, Male, D-sub

COM1 [RS232]
RxD
TxD
GND
RTS
CTS





COM2 [RS485], COM3 [RS485], CAN Bus, 9 Pin, Female, D-sub

PIN#	COM2	[RS485]	COM3 [RS485]	CAN Bus
FIIN#	4 wire	2 wire		CAN Bus
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	TX+			
5		C	GND	
6			Data-	
7				CAN_L
8				CAN_H
9			Data+	

2.4.3. MT8092XE

COM1 [RS232], COM3 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232] COM3 [RS232]	
1		
2	RxD	
3	TxD	
4		
5	G	IND
6		
7	RTS	TxD
8	CTS RxD	
9		

COM2 [RS485], COM3 [RS485], CAN Bus, 9 Pin, Female, D-sub

PIN#	COM2	[RS485] COM3 [RS485] CAN		CAN Bus
P1IN#	4 wire	2 wire	COIVIS [N3463]	CAN Bus
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	TX+			
5		C	GND	
6			Data-	
7				CAN_L
8				CAN_H
9			Data+	





2.4.4. MT8121XE / MT8150XE

COM1 [RS232] 9 Pin, Male, D-sub

001112 [110202] 3 1 111) 111d1c) 3 3		
COM1 [RS232]		
RxD		
TxD		
GND		
RTS		
CTS		

COM1 [RS485], COM3 [RS485] 9 Pin, Female, D-sub

COM [10403], COM [10403] 5 Fm, Female, 2 305				
PIN#	COM1 [R	S485]	COM3 [RS485]	
r IIV#	4 wire	2 wire	COMS [NS465]	
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	TX+			
5	GNI)		
6				
7			Data-	
8			Data+	
9			GND	



2.5. mTV Series

2.5.1. mTV-100

COM1 [RS232], COM2 [RS485], COM3 [RS485] 9 Pin, Male, D-sub

DINI#	PIN# COM1 [RS232]	COM2	[RS485]	COM3 [RS485]
PIN#		2 wire	4 wire	COIVIS [N3463]
1				Data+
2	RxD			
3	TxD			
4				Data-
5		GN	ND .	
6		Data+	Rx+	
7		Data-	Rx-	
8			TX+	
9			Tx-	

2.6. cMT Series

2.6.1. cMT3071 / cMT3072 / cMT3090 / cMT3103

COM1 [RS232], COM3 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]	COM3 [RS232]
1		
2	RxD	
3	TxD	
4		
5	G	ND
6		
7	RTS	TxD
8	CTS	RxD
9		

COM2 [RS485], COM3 [RS485], CAN Bus, 9 Pin, Female, D-sub

PIN#	COM2 [RS485]		COM3 [RS485]	CAN Bus
FIN#	4 wire	2 wire	CONS [R3483]	CAN Bus
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	TX+			
5		(GND	
6			Data-	
7				CAN_L
8				CAN_H
9			Data+	



2.6.2. cMT3151

COM1 [RS232], COM3 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]	COM3 [RS232]
1		
2	RxD	
3	TxD	
4		
5	G	ND
6		
7	RTS	TxD
8	CTS	RxD
9		

COM1 [RS485], COM3 [RS485], CAN Bus, 9 Pin, Female, D-sub

PIN#	COM1	[RS485]	COM3 [RS485]	CAN Bus
PIIN#	4 wire	2 wire	COIVIS [N3465]	CAIN BUS
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	TX+			
5		0	SND	
6			Data-	
7				CAN_L
8				CAN_H
9			Data+	

2.6.3. cMT-SVR-100 / cMT-SVR-100 (V2) / cMT-SVR-200 / cMT-SVR-200 (V2) / cMT-HDM / cMT-FHD

COM1 [RS232], COM2 [RS485], COM3 [RS485] 9 Pin, Male, D-sub

DINI#	PIN# COM1 [RS232]	COM2 [RS485]		COM3 [RS485]
PIN#		2 wire	4 wire	COIVIS [N3463]
1				Data+
2	RxD			
3	TxD			
4				Data-
5	GND			
6		Data+	Rx+	
7		Data-	Rx-	
8			TX+	
9			Tx-	



2.7. cMT X Series

2.7.1. cMT3072X / cMT3072X2 / cMT3072X2 (V2) / cMT3072XH / cMT3072XH2 / cMT3072XH2 (V2) / cMT3072XHT / cMT3072XHT (V2) / cMT3072XP / cMT3072XP (V2) / cMT3092X / cMT3102X (V2) / cMT3102X / cMT3102X (V2) / cMT3102X (R) / cMT3108XH / cMT3108XP / cMT3218XP

COM1 [RS232], COM3 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232] COM3 [RS232	
1		
2	RxD	
3	TxD	
4		
5		GND
6		
7	RTS	TxD
8	CTS	RxD
9		GND

COM2 [RS485], COM3 [RS485], CAN Bus, 9 Pin, Female, D-sub

PIN#	COM2 [RS485]		COM3 [RS485]	CAN Bus
FIIN#	4 wire	2 wire	CONS [N3483]	CAN bus
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	TX+			
5		(GND	
6			Data-	
7				CAN_L
8				CAN_H
9			Data+	

2.7.2. cMT1106X / cMT2078X / cMT2078X (V2) / cMT2108X / cMT2108X2 / cMT2108X2 (V2) / cMT2128X

COM1 [RS232], COM3 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]	COM3 [RS232]
1		
2	RxD	
3	TxD	
4		
5		GND
6		
7	RTS	TxD
8	CTS	RxD
9		GND



COM2 [RS485], COM3 [RS485] 9 Pin, Female, D-sub

PIN#	COM2 [RS485]		COM3 [RS485]
r IIN#	4 wire	2 wire	COM3 [N3483]
1	Rx-	Data-	
2	Rx+	Data+	
3	Tx-		
4	TX+		
5		GN	ID
6			Data-
7			
8			
9			Data+

2.7.3. cMT3152X / cMT3152X (V2) / cMT3162X / cMT3162X (V2)

COM1 [RS232], COM3 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232] COM3 [RS232	
1		
2	RxD	
3	TxD	
4		
5		GND
6		
7	RTS	TxD
8	CTS	RxD
9	(GND

COM1 [RS485], COM3 [RS485], CAN Bus, 9 Pin, Female, D-sub

PIN#	COM1	[RS485]	COM3 [RS485]	CAN Bus
	4 wire	2 wire	CONS [N3483]	CAN DUS
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	TX+			
5		(GND	
6			Data-	
7				CAN_L
8				CAN_H
9			Data+	





2.7.4. cMT2158X / cMT2158X (V2) / cMT2166X / cMT3161X

COM1 [RS232], COM3 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]	COM3 [RS232]		
1				
2	RxD			
3	TxD			
4				
5	G	ND		
6				
7	RTS	TxD		
8	CTS	RxD		
9	G	ND		

COM1 [RS485], COM3 [RS485], CAN Bus, 9 Pin, Female, D-sub

PIN#	COM1	COM3 [RS485]	
	4 wire	2 wire	COMS [R3483]
1	Rx-	Data-	
2	Rx+	Data+	
3	Tx-		
4	TX+		
5		GND	
6			Data-
7			
8			
9			Data+

2.7.5. cMT2058XH

COM1 [RS232], COM1 [RS485], COM3 [RS485], 9 Pin, Male, D-sub

PIN#	COM1 [RS485]		COM1 [RS232]	COM3 [RS485]	
	4 wire	2 wire	COIVII [N3232]	CON 2 [13463]	
1	Rx-	Data-			
2	Rx+	Data+			
3	Tx-				
4	TX+				
5			GND		
6			TxD		
7				Data-	
8				Data+	
9			RxD		





2.7.6. cMT-SVRX-820 / cMT-FHDX-220 / cMT-FHDX-820

COM1 [RS232], COM2 [RS485], COM3 [RS485] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]	COM2	[RS485]	COM3 [RS485]
		2 wire	4 wire	COIVIS [N3465]
1				Data+
2	RxD			
3	TxD			
4				Data-
5				
6		Data+	Rx+	
7		Data-	Rx-	
8			TX+	
9			Tx-	



2.8. Ilot Gateway Series

2.8.1. cMT-G01 / cMT-G01X / cMT-G02 / cMT-G02X / cMT-CTRL01

COM1 [RS232], COM2 [RS485], COM3 [RS485] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]	COM2	[RS485]	COM3 [RS485]
		2 wire	4 wire	COIVIS [N3463]
1				Data+
2	RxD			
3	TxD			
4				Data-
5				
6		Data+	Rx+	
7		Data-	Rx-	
8			TX+	
9			Tx-	

2.8.2. cMT-G03

COM1 [RS232; RS-485], COM2 [RS232; RS-485],

PIN# CC	COM1 [RS232]	COM2 [RS232]	PIN#	COM1	COM1 [RS485]		COM2 [RS485]	
	COMI [R3232]	COME [N3232]		4 wire	2 wire	4 wire	2 wire	
1	RxD1		2	Rx1-	Data1-			
3	TxD1		4	Rx1+	Data1+			
5	FG		6	Tx1-				
7	GND		8	Tx1+				
9		RxD2	10			Rx2-	Data2-	
11		TxD2	12			Rx2+	Data2+	
13		FG	14			Tx2-		
15		GND	16			Tx2+		

