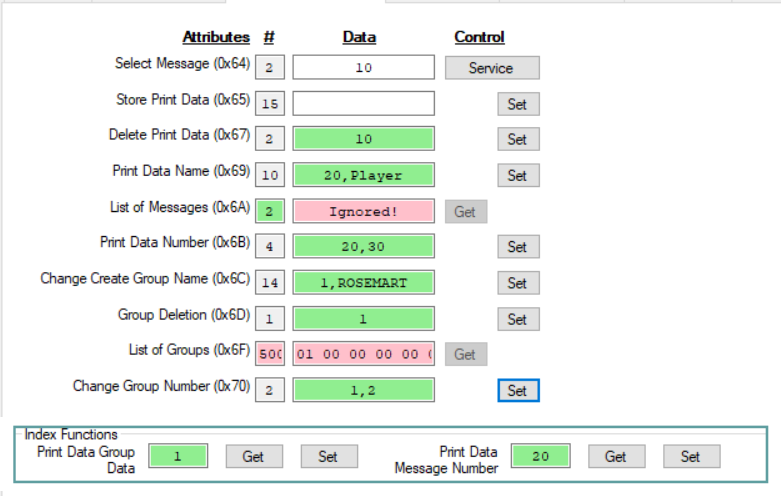
**Hitachi UX Printer Model 161  
EtherNet/IP Version  
Printer software Version 2.6**

# 0x66 Print data management function

Browser Screen



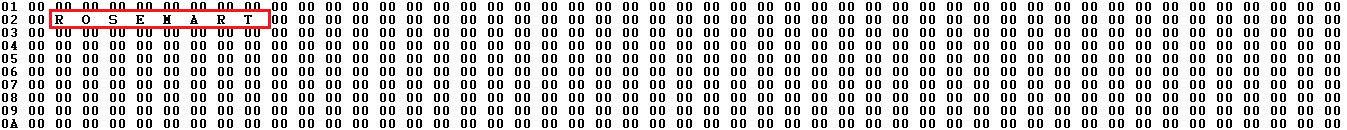
Test Results:

* Select Message (0x64) == Worked. Loaded message 10
* Store Print Data (0x65) == What is type? Could not test
* Delete Print Data (0x67) == Worked. Deleted message 10
* Print Data Name (0x69) == Worked. Changed message name in printer
* List of Messages (0x6A) == Ignored. Causes I/O error.
* Print Data Number (0x6B) == Worked. Changed message number.
* Change Create Group Name (0x6C) == Worked.
* Group Deletion (0x6D) == Worked.
* List of Groups (0x6F) == Worked. See results below.
* Change Group Number (0x70) == Worked.

Traffic during test.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Status/Path** | **Access** | **Class** | **Attribute** | **#In** | **Data In** | **Raw In** | **#Out** | **Data Out** | **Raw Out** |
| 32 75 01 6F | Set | IJP\_operation | Online\_Offline |  |  |  | 1 | On Line | 01 |
| 33 75 01 6F | Get | IJP\_operation | Online\_Offline | 1 | On Line | 01 |  |  |  |
| 33 7A 01 65 | Get | Index | Automatic\_reflection | 1 | 0 | 00 |  |  |  |
| 33 7A 01 64 | Get | Index | Start\_Stop\_Management\_Flag | 1 | 0 | 00 |  |  |  |
| 33 7A 01 6B | Get | Index | Print\_Data\_Group\_Data | 1 | 1 | 01 |  |  |  |
| 33 7A 01 6A | Get | Index | Print\_Data\_Message\_Number | 2 | 1 | 00 01 |  |  |  |
| 33 66 01 6F | Get | Print\_data\_management | List\_of\_Groups | 500 | See=> | 01 00 … |  |  |  |
| 34 66 01 64 | Service | Print\_data\_management | Select\_Message |  |  |  | 2 |  | 00 0A |
| 32 66 01 67 | Set | Print\_data\_management | Delete\_Print\_Data |  |  |  | 2 | 10 | 00 0A |
| 32 7A 01 6A | Set | Index | Print\_Data\_Message\_Number |  |  |  | 2 | 20 | 00 14 |
| 33 66 01 6F | Get | Print\_data\_management | List\_of\_Groups | 500 | See=> | 01 00 … |  |  |  |
| 32 66 01 69 | Set | Print\_data\_management | Print\_Data\_Name |  |  |  | 9 | 20,Player | 00 14 50 6C 61 79 65 72 00 |
| 32 66 01 6B | Set | Print\_data\_management | Print\_Data\_Number |  |  |  | 4 | 20,30 | 00 14 00 1E |
| 32 66 01 6C | Set | Print\_data\_management | Change\_Create\_Group\_Name |  |  |  | 10 | 1,ROSEMART | 01 52 4F 53 45 4D 41 52 54 00 |
| 32 66 01 70 | Set | Print\_data\_management | Change\_Group\_Number |  |  |  | 2 | 1,2 | 01 02 |
| 33 66 01 6F | Get | Print\_data\_management | List\_of\_Groups | 500 | See=> | 01 00 … |  |  |  |

List of Group Names.

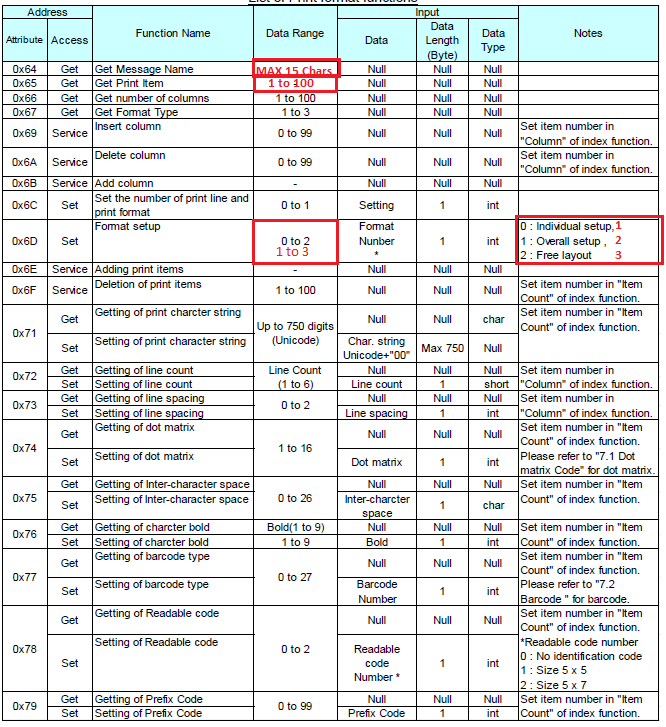


# 0x67 Print format function

Browser Screen.

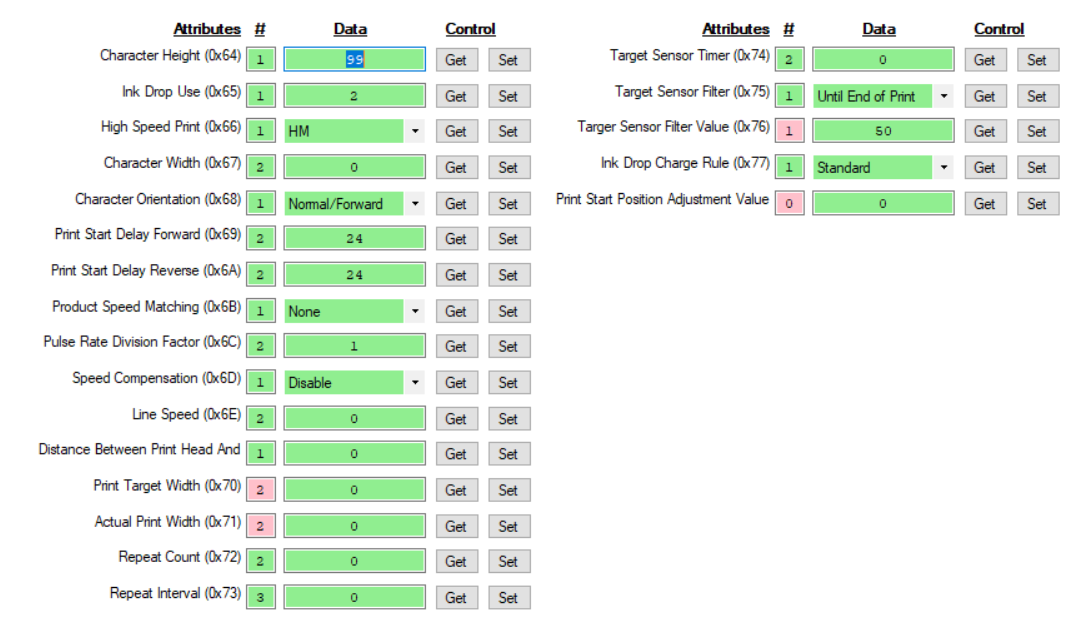


Documentation



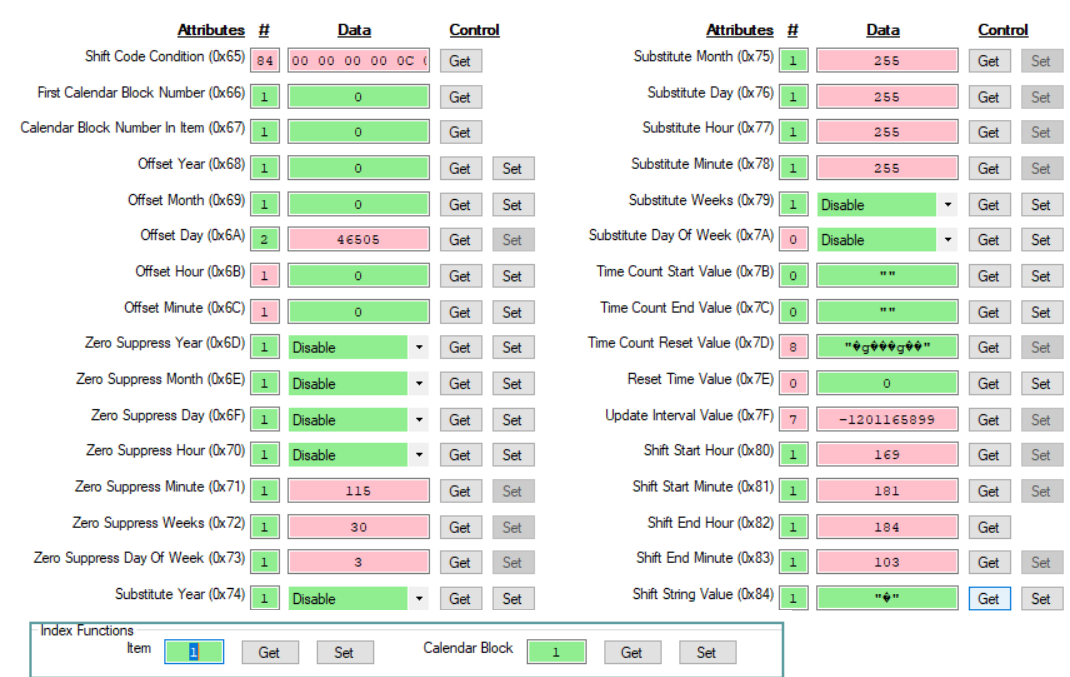
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Status/Path** | **Access** | **Class** | **Attribute** | **#In** | **Data In** | **Raw In** |
| Print\_format | | | | | | |
| 33 67 01 64 | Get | Print\_format | Message\_Name | 6 | "Player" | 50 6C 61 79 65 72 |
| 33 67 01 65 | Get | Print\_format | Number\_Of\_Items | 1 | 3 | 03 |
| 33 67 01 66 | Get | Print\_format | Number\_Of\_Columns | 1 | 1 | 01 |
| 33 67 01 67 | Get | Print\_format | Format\_Type | 1 | Individual | 01 |
| 33 67 01 71 | Get | Print\_format | Print\_Character\_String | 5 | "Line1" | 4C 69 6E 65 31 |
| 33 67 01 72 | Get | Print\_format | Line\_Count | 1 | 3 | 03 |
| 33 67 01 73 | Get | Print\_format | Line\_Spacing | 1 | 1 | 01 |
| 33 67 01 74 | Get | Print\_format | Dot\_Matrix | 1 | 5x8(5x7) | 03 |
| 33 67 01 75 | Get | Print\_format | InterCharacter\_Space | 1 | 1 | 01 |
| 33 67 01 76 | Get | Print\_format | Character\_Bold | 1 | 1 | 01 |
| 33 67 01 77 | Get | Print\_format | Barcode\_Type | 1 | not used | 00 |
| 33 67 01 78 | Get | Print\_format | Readable\_Code | 1 | 25 | 19 |
| 33 67 01 79 | Get | Print\_format | Prefix\_Code | 1 | 184 | B8 |
| 33 67 01 7A | Get | Print\_format | X\_and\_Y\_Coordinate | 3 | 60064, 240 | EA A0 F0 |
| 33 67 01 7B | Get | Print\_format | InterCharacter\_SpaceII | 0 | 0 |  |
| 33 67 01 8D | Get | Print\_format | Calendar\_Offset | 1 | From Today | 01 |
| 33 67 01 8E | Get | Print\_format | DIN\_Print | 1 | Disable | 00 |
| 33 67 01 8F | Get | Print\_format | EAN\_Prefix | 1 | Edit Message | 00 |
| 33 67 01 90 | Get | Print\_format | Barcode\_Printing | 1 | Normal | 00 |
| 33 67 01 91 | Get | Print\_format | QR\_Error\_Correction\_Level | 1 | M 15% | 00 |

# 0x68 Print specification function



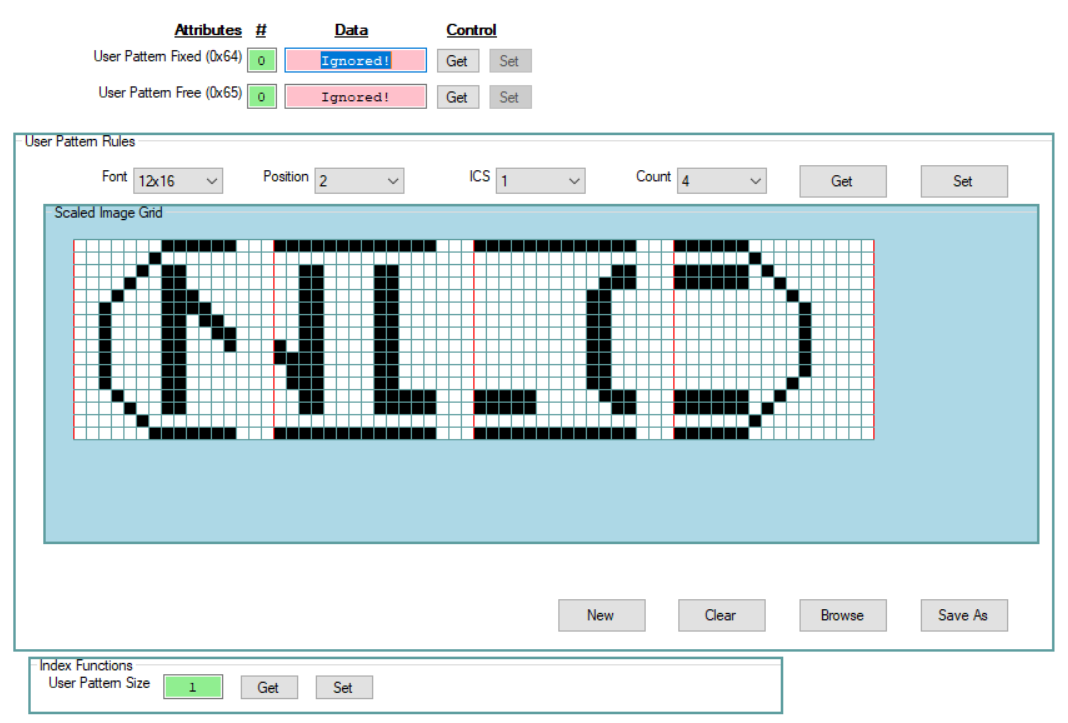
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Status/Path** | **Access** | **Class** | **Attribute** | **#In** | **Data In** | **Raw In** |
| Print\_specification | | | | | | |
| 33 68 01 64 | Get | Print\_specification | Character\_Height | 1 | 99 | 63 |
| 33 68 01 65 | Get | Print\_specification | Ink\_Drop\_Use | 1 | 2 | 02 |
| 33 68 01 66 | Get | Print\_specification | High\_Speed\_Print | 1 | HM | 00 |
| 33 68 01 67 | Get | Print\_specification | Character\_Width | 2 | 0 | 00 00 |
| 33 68 01 68 | Get | Print\_specification | Character\_Orientation | 1 | Normal/Forward | 00 |
| 33 68 01 69 | Get | Print\_specification | Print\_Start\_Delay\_Forward | 2 | 24 | 00 18 |
| 33 68 01 6A | Get | Print\_specification | Print\_Start\_Delay\_Reverse | 2 | 24 | 00 18 |
| 33 68 01 6B | Get | Print\_specification | Product\_Speed\_Matching | 1 | None | 00 |
| 33 68 01 6C | Get | Print\_specification | Pulse\_Rate\_Division\_Factor | 2 | 1 | 00 01 |
| 33 68 01 6D | Get | Print\_specification | Speed\_Compensation | 1 | Disable | 00 |
| 33 68 01 6E | Get | Print\_specification | Line\_Speed | 2 | 0 | 00 00 |
| 33 68 01 6F | Get | Print\_specification | Distance\_Between\_Print\_Head\_And\_Object | 1 | 0 | 00 |
| 33 68 01 70 | Get | Print\_specification | Print\_Target\_Width | 2 | 0 | 00 00 |
| 33 68 01 71 | Get | Print\_specification | Actual\_Print\_Width | 2 | 0 | 00 00 |
| 33 68 01 72 | Get | Print\_specification | Repeat\_Count | 2 | 0 | 00 00 |
| 33 68 01 73 | Get | Print\_specification | Repeat\_Interval | 3 | 0 | 00 00 00 |
| 33 68 01 74 | Get | Print\_specification | Target\_Sensor\_Timer | 2 | 0 | 00 00 |
| 33 68 01 75 | Get | Print\_specification | Target\_Sensor\_Filter | 1 | Until End of Print | 01 |
| 33 68 01 76 | Get | Print\_specification | Targer\_Sensor\_Filter\_Value | 1 | 50 | 32 |
| 33 68 01 77 | Get | Print\_specification | Ink\_Drop\_Charge\_Rule | 1 | Standard | 00 |
| 33 68 01 78 | Get | Print\_specification | Print\_Start\_Position\_Adjustment\_Value | 0 | 0 |  |

# 0x69 Calendar function



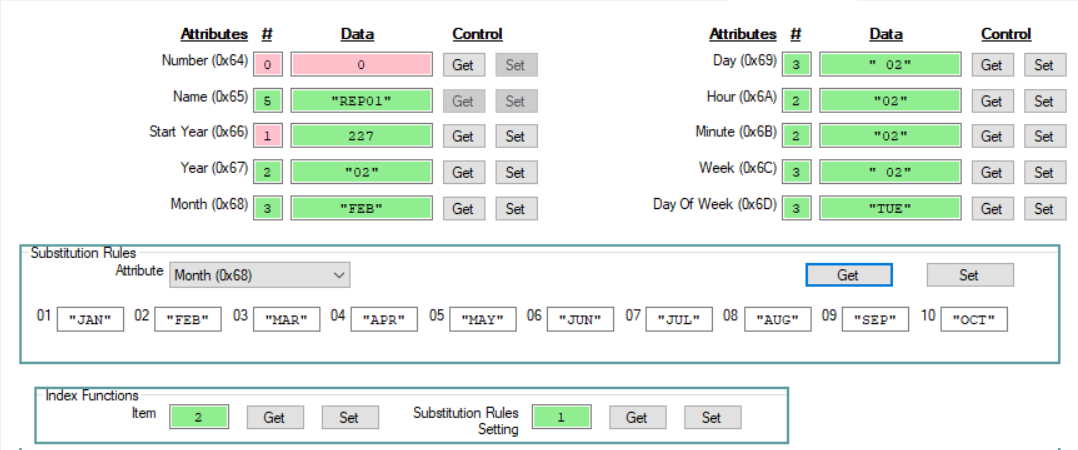
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Status/Path** | **Access** | **Class** | **Attribute** | **#In** | **Data In** | **Raw In** |
| Calendar | | | | | | |
| 33 69 01 65 | Get | Calendar | Shift\_Code\_Condition | 84 | See=> | 00 00 00 00 15 00 00 00 FF FF FF FF 70 77 07 00 |
| 33 69 01 66 | Get | Calendar | First\_Calendar\_Block\_Number | 1 | 0 | 00 |
| 33 69 01 67 | Get | Calendar | Calendar\_Block\_Number\_In\_Item | 1 | 0 | 00 |
| 33 69 01 68 | Get | Calendar | Offset\_Year | 1 | 0 | 00 |
| 33 69 01 69 | Get | Calendar | Offset\_Month | 1 | 0 | 00 |
| 33 69 01 6A | Get | Calendar | Offset\_Day | 2 | 46505 | B5 A9 |
| 33 69 01 6B | Get | Calendar | Offset\_Hour | 1 | 0 | 00 |
| 33 69 01 6C | Get | Calendar | Offset\_Minute | 1 | 0 | 00 |
| 33 69 01 6D | Get | Calendar | Zero\_Suppress\_Year | 1 | Disable | 00 |
| 33 69 01 6E | Get | Calendar | Zero\_Suppress\_Month | 1 | Disable | 00 |
| 33 69 01 6F | Get | Calendar | Zero\_Suppress\_Day | 1 | Disable | 00 |
| 33 69 01 70 | Get | Calendar | Zero\_Suppress\_Hour | 1 | Disable | 00 |
| 33 69 01 71 | Get | Calendar | Zero\_Suppress\_Minute | 1 | 115 | 73 |
| 33 69 01 72 | Get | Calendar | Zero\_Suppress\_Weeks | 1 | 30 | 1E |
| 33 69 01 73 | Get | Calendar | Zero\_Suppress\_Day\_Of\_Week | 1 | 3 | 03 |
| 33 69 01 74 | Get | Calendar | Substitute\_Year | 1 | Disable | 00 |
| 33 69 01 75 | Get | Calendar | Substitute\_Month | 1 | 255 | FF |
| 33 69 01 76 | Get | Calendar | Substitute\_Day | 1 | 255 | FF |
| 33 69 01 77 | Get | Calendar | Substitute\_Hour | 1 | 255 | FF |
| 33 69 01 78 | Get | Calendar | Substitute\_Minute | 1 | 255 | FF |
| 33 69 01 79 | Get | Calendar | Substitute\_Weeks | 1 | Disable | 00 |
| 33 69 01 7A | Get | Calendar | Substitute\_Day\_Of\_Week | 0 | Disable |  |
| 33 69 01 7B | Get | Calendar | Time\_Count\_Start\_Value | 0 | "" |  |
| 33 69 01 7C | Get | Calendar | Time\_Count\_End\_Value | 0 | "" |  |
| 33 69 01 7D | Get | Calendar | Time\_Count\_Reset\_Value | 8 | "�g���g��" | BC 67 A9 B5 B8 67 A9 B5 |
| 33 69 01 7E | Get | Calendar | Reset\_Time\_Value | 0 | 0 |  |
| 33 69 01 7F | Get | Calendar | Update\_Interval\_Value | 7 | -1201165899 | 67 A9 B5 B8 67 A9 B5 |
| 33 69 01 80 | Get | Calendar | Shift\_Start\_Hour | 1 | 169 | A9 |
| 33 69 01 81 | Get | Calendar | Shift\_Start\_Minute | 1 | 181 | B5 |
| 33 69 01 82 | Get | Calendar | Shift\_End\_Hour | 1 | 184 | B8 |
| 33 69 01 83 | Get | Calendar | Shift\_End\_Minute | 1 | 103 | 67 |
| 33 69 01 84 | Get | Calendar | Shift\_String\_Value | 1 | "�" | A9 |

# 0x6B User pattern function



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Status/Path** | **Access** | **Class** | **Attribute** | **#Out** | **Data Out** | **Raw Out** |
| 32 7A 01 6D | Set | Index | User\_Pattern\_Size | 1 | 12x16 | 07 |
| 32 6B 01 64 | Set | User\_pattern | User\_Pattern\_Fixed | 34 | 7 | 07 02 00 00 00 00 F0 07 08 08 04 10 02 20 01 40 |
| 32 6B 01 64 | Set | User\_pattern | User\_Pattern\_Fixed | 34 | 7 | 07 03 C1 80 71 80 FD BF FD BF 01 80 01 80 01 80 |
| 32 6B 01 64 | Set | User\_pattern | User\_Pattern\_Fixed | 34 | 7 | 07 04 0D 80 0D 80 0D 80 0D 80 0D 80 01 80 01 80 |
| 32 6B 01 64 | Set | User\_pattern | User\_Pattern\_Fixed | 34 | 7 | 07 05 0D B0 0D B0 0D B0 0D B0 0D B0 0D B0 02 40 |

# 0x6C Substitution rules function



**XML for setting Substitution values**

<Label ClockSystem="24-Hour" Registration="101" GroupNumber="00" GroupName=""

Name="EthernetIP" BeRestrictive="False" UseHalfSpace="False" Format="Individual" Version="3">

<Printer Model="UX" Make="Hitachi">

<Substitution Rule="01" StartYear="2019" Delimeter="/">

<Year Base="00">00/01/02/03/04/05/06/07/08/09</Year>

<Year Base="10">10/11/12/13/14/15/16/17/18/19</Year>

<Year Base="20">20/21/22/23</Year>

<Month Base="1">JAN/FEB/MAR/APR/MAY/JUN/JUL/AUG/SEP/OCT/NOV/DEC</Month>

<Day Base="01">01/02/03/04/05/06/07/08/09/10</Day>

<Day Base="11">11/02/13/14/15/16/17/18/19/20</Day>

<Day Base="21">21/22/23/24/25/26/27/28/29/30/31</Day>

<Hour Base="00">00/01/02/03/04/05/06/07/08/09</Hour>

<Hour Base="10">10/11/12/13/14/15/16/17/18/19</Hour>

<Hour Base="20">20/21/22/23</Hour>

<Minute Base="00">00/01/02/03/04/05/06/07/08/09</Minute>

<Minute Base="10">10/11/12/13/14/15/16/17/18/19</Minute>

<Minute Base="20">20/21/22/23/24/25/26/27/28/29</Minute>

<Minute Base="30">30/31/32/33/34/35/36/37/38/39</Minute>

<Minute Base="40">40/41/42/43/44/45/46/47/48/49</Minute>

<Minute Base="50">50/51/52/53/54/55/56/57/58/59</Minute>

<Week Base="01">01/02/03/04/05/06/07/08/09/10</Week>

<Week Base="11">11/12/13/14/15/16/17/18/19/20</Week>

<Week Base="21">21/22/23/24/25/26/27/28/29/30</Week>

<Week Base="31">31/32/33/34/35/36/37/38/39/40</Week>

<Week Base="41">41/42/43/44/45/46/47/48/49/50/51/52/53</Week>

<DayOfWeek Base="1">MON/TUE/WED/THU/FRI/SAT/SUN</DayOfWeek>

</Substitution>

</Printer>

</Label>

Traffic for loading page

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Status/Path** | **Access** | **Class** | **Attribute** | **#In** | **Data In** | **Raw In** | **#Out** | **Data Out** | **Raw Out** |
| Substitution\_rules | | | | | | | | | |
| 33 6C 01 64 | Get | Substitution\_rules | Number | 0 | 0 |  |  |  |  |
| 33 6C 01 65 | Get | Substitution\_rules | Name | 5 | "REP01" | 52 45 50 30 31 | 1 | 1 | 01 |
| 33 6C 01 66 | Get | Substitution\_rules | Start\_Year | 1 | 227 | E3 |  |  |  |
| 33 6C 01 67 | Get | Substitution\_rules | Year | 2 | "01" | 30 31 | 1 | 1 | 01 |
| 33 6C 01 68 | Get | Substitution\_rules | Month | 3 | "JAN" | 4A 41 4E | 1 | 1 | 01 |
| 33 6C 01 69 | Get | Substitution\_rules | Day | 3 | " 01" | 20 30 31 | 1 | 1 | 01 |
| 33 6C 01 6A | Get | Substitution\_rules | Hour | 2 | "01" | 30 31 | 1 | 1 | 01 |
| 33 6C 01 6B | Get | Substitution\_rules | Minute | 2 | "01" | 30 31 | 1 | 1 | 01 |
| 33 6C 01 6C | Get | Substitution\_rules | Week | 3 | " 01" | 20 30 31 | 1 | 1 | 01 |
| 33 6C 01 6D | Get | Substitution\_rules | Day\_Of\_Week | 3 | "MON" | 4D 4F 4E | 1 | 1 | 01 |

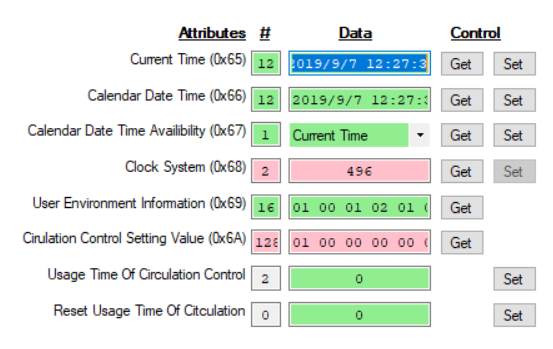
Traffic for set.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Status/Path** | **Access** | **Class** | **Attribute** | **#Out** | **Data Out** | **Raw Out** |
| 32 6C 01 6D | Set | Substitution\_rules | Day\_Of\_Week | 5 | 1,"MON" | 01 4D 4F 4E 00 |
| 32 6C 01 6D | Set | Substitution\_rules | Day\_Of\_Week | 5 | 2,"TUE" | 02 54 55 45 00 |
| 32 6C 01 6D | Set | Substitution\_rules | Day\_Of\_Week | 5 | 3,"WED" | 03 57 45 44 00 |
| 32 6C 01 6D | Set | Substitution\_rules | Day\_Of\_Week | 5 | 4,"THU" | 04 54 48 55 00 |
| 32 6C 01 6D | Set | Substitution\_rules | Day\_Of\_Week | 5 | 5,"FRI" | 05 46 52 49 00 |
| 32 6C 01 6D | Set | Substitution\_rules | Day\_Of\_Week | 5 | 6,"SAT" | 06 53 41 54 00 |
| 32 6C 01 6D | Set | Substitution\_rules | Day\_Of\_Week | 5 | 7,"SUN" | 07 53 55 4E 00 |

Traffic for Get.

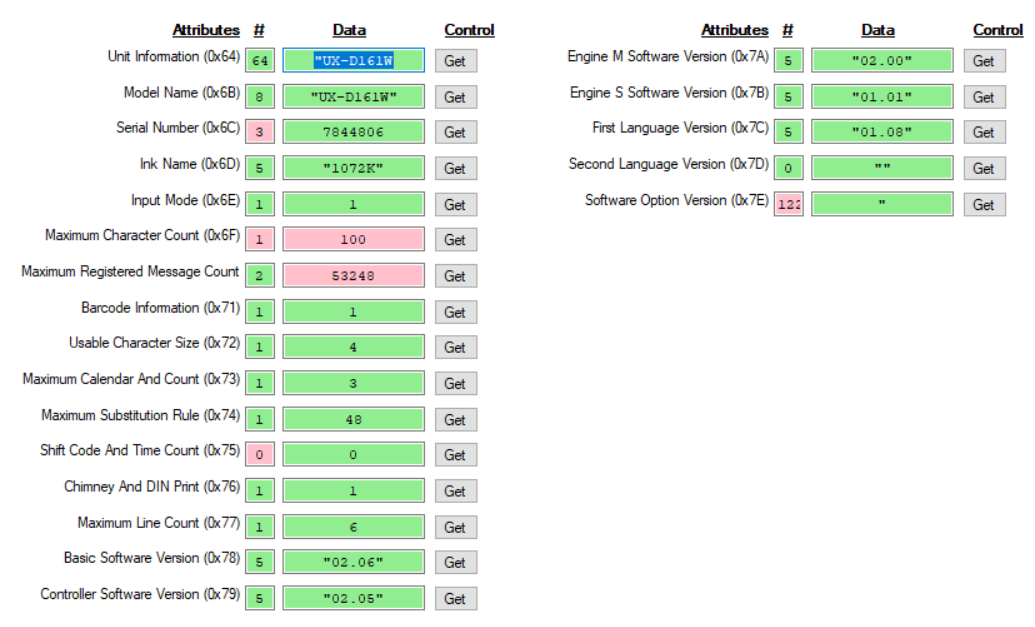
|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Status/Path** | **Access** | **Class** | **Attribute** | **#In** | **Data In** | **Raw In** | **#Out** | **Data Out** | **Raw Out** |
| **Traffic to retrieve substitution data** | | | | | | | | | |
| 00 -- O.K. -- 33 6C 01 6D | Get | Substitution\_rules | Day\_Of\_Week | 3 | "MON" | 4D 4F 4E | 1 | 1 | 01 |
| 00 -- O.K. -- 33 6C 01 6D | Get | Substitution\_rules | Day\_Of\_Week | 3 | "TUE" | 54 55 45 | 1 | 2 | 02 |
| 00 -- O.K. -- 33 6C 01 6D | Get | Substitution\_rules | Day\_Of\_Week | 3 | "WED" | 57 45 44 | 1 | 3 | 03 |
| 00 -- O.K. -- 33 6C 01 6D | Get | Substitution\_rules | Day\_Of\_Week | 3 | "THU" | 54 48 55 | 1 | 4 | 04 |
| 00 -- O.K. -- 33 6C 01 6D | Get | Substitution\_rules | Day\_Of\_Week | 3 | "FRI" | 46 52 49 | 1 | 5 | 05 |
| 00 -- O.K. -- 33 6C 01 6D | Get | Substitution\_rules | Day\_Of\_Week | 3 | "SAT" | 53 41 54 | 1 | 6 | 06 |
| 00 -- O.K. -- 33 6C 01 6D | Get | Substitution\_rules | Day\_Of\_Week | 3 | "SUN" | 53 55 4E | 1 | 7 | 07 |

# 0x71 Enviroment setting function



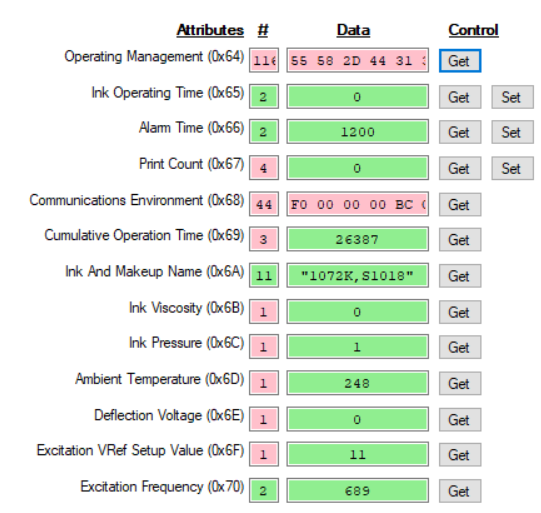
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Status/Path** | **Access** | **Class** | **Attribute** | **#In** | **Data In** | **Raw In** |
| Enviroment\_setting | | | | | | |
| 33 71 01 65 | Get | Enviroment\_setting | Current\_Time | 12 | 2019/9/7 13:6:22 | E3 07 09 00 07 00 0D 00 06 00 16 00 |
| 33 71 01 66 | Get | Enviroment\_setting | Calendar\_Date\_Time | 12 | 2019/9/7 13:6:22 | E3 07 09 00 07 00 0D 00 06 00 16 00 |
| 33 71 01 67 | Get | Enviroment\_setting | Calendar\_Date\_Time\_Availibility | 1 | Current Time | 01 |
| 33 71 01 68 | Get | Enviroment\_setting | Clock\_System | 2 | 496 | 01 F0 |
| 33 71 01 69 | Get | Enviroment\_setting | User\_Environment\_Information | 16 | See=> | 01 00 01 02 01 02 02 01 00 01 00 00 01 00 01 00 |
| 33 71 01 6A | Get | Enviroment\_setting | Cirulation\_Control\_Setting\_Value | 128 | See=> | 01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 |

# 0x73 Unit Information function



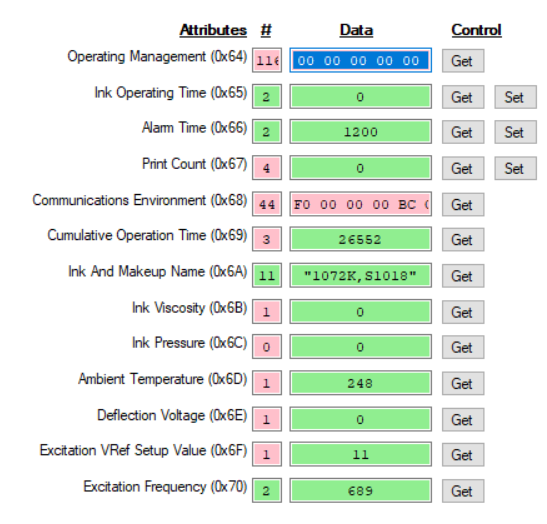
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Status/Path** | **Access** | **Class** | **Attribute** | **#In** | **Data In** | **Raw In** |
| Unit\_Information | | | | | | |
| 33 73 01 64 | Get | Unit\_Information | Unit\_Information | 64 | "UX-D161W | 55 58 2D 44 31 36 31 57 00 00 00 00 C6 B3 77 00 |
| 33 73 01 6B | Get | Unit\_Information | Model\_Name | 8 | "UX-D161W" | 55 58 2D 44 31 36 31 57 |
| 33 73 01 6C | Get | Unit\_Information | Serial\_Number | 3 | 7844806 | C6 B3 77 |
| 33 73 01 6D | Get | Unit\_Information | Ink\_Name | 5 | "1072K" | 31 30 37 32 4B |
| 33 73 01 6E | Get | Unit\_Information | Input\_Mode | 1 | 1 | 01 |
| 33 73 01 6F | Get | Unit\_Information | Maximum\_Character\_Count | 1 | 100 | 64 |
| 33 73 01 70 | Get | Unit\_Information | Maximum\_Registered\_Message\_Count | 2 | 53296 | D0 30 |
| 33 73 01 71 | Get | Unit\_Information | Barcode\_Information | 1 | 1 | 01 |
| 33 73 01 72 | Get | Unit\_Information | Usable\_Character\_Size | 1 | 4 | 04 |
| 33 73 01 73 | Get | Unit\_Information | Maximum\_Calendar\_And\_Count | 1 | 3 | 03 |
| 33 73 01 74 | Get | Unit\_Information | Maximum\_Substitution\_Rule | 1 | 48 | 30 |
| 33 73 01 75 | Get | Unit\_Information | Shift\_Code\_And\_Time\_Count | 0 | 0 |  |
| 33 73 01 76 | Get | Unit\_Information | Chimney\_And\_DIN\_Print | 1 | 1 | 01 |
| 33 73 01 77 | Get | Unit\_Information | Maximum\_Line\_Count | 1 | 6 | 06 |
| 33 73 01 78 | Get | Unit\_Information | Basic\_Software\_Version | 5 | "02.06" | 30 32 2E 30 36 |
| 33 73 01 79 | Get | Unit\_Information | Controller\_Software\_Version | 5 | "02.05" | 30 32 2E 30 35 |
| 33 73 01 7A | Get | Unit\_Information | Engine\_M\_Software\_Version | 5 | "02.00" | 30 32 2E 30 30 |
| 33 73 01 7B | Get | Unit\_Information | Engine\_S\_Software\_Version | 5 | "01.01" | 30 31 2E 30 31 |
| 33 73 01 7C | Get | Unit\_Information | First\_Language\_Version | 5 | "01.08" | 30 31 2E 30 38 |
| 33 73 01 7D | Get | Unit\_Information | Second\_Language\_Version | 0 | "" |  |
| 33 73 01 7E | Get | Unit\_Information | Software\_Option\_Version | 122 | " | 00 00 2E 00 00 00 00 00 00 00 00 00 00 00 00 00 |

# 0x74 Operation management function



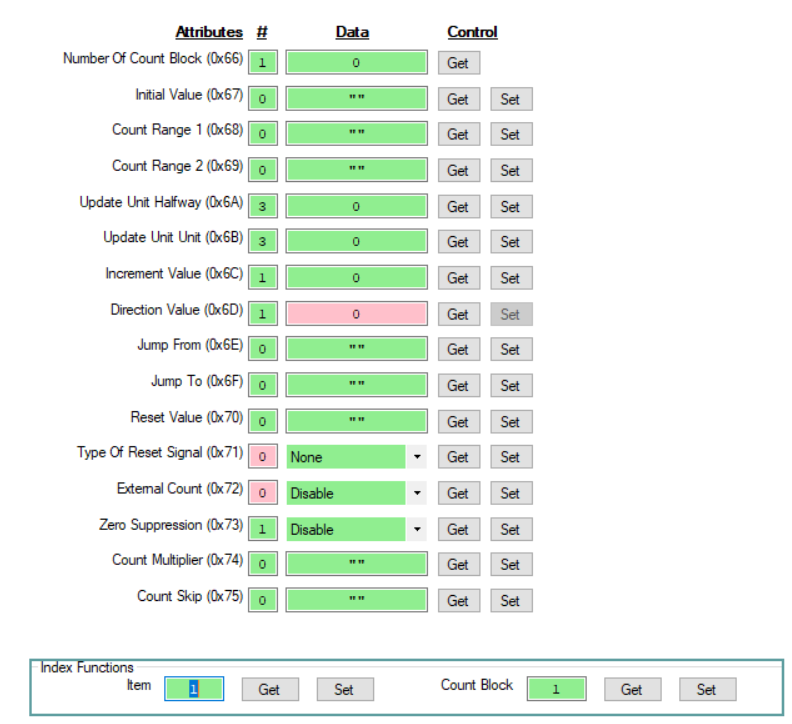
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Status/Path** | **Access** | **Class** | **Attribute** | **#In** | **Data In** | **Raw In** |
| Operation\_management | | | | | | |
| 33 74 01 64 | Get | Operation\_management | Operating\_Management | 116 | See=> | 55 58 2D 44 31 36 31 57 00 00 00 00 C6 B3 77 00 |
| 33 74 01 65 | Get | Operation\_management | Ink\_Operating\_Time | 2 | 0 | 00 00 |
| 33 74 01 66 | Get | Operation\_management | Alarm\_Time | 2 | 1200 | 04 B0 |
| 33 74 01 67 | Get | Operation\_management | Print\_Count | 4 | 0 | 00 00 00 00 |
| 33 74 01 68 | Get | Operation\_management | Communications\_Environment | 44 | See=> | F0 00 00 00 BC CF F0 B6 80 79 07 00 01 00 00 00 |
| 33 74 01 69 | Get | Operation\_management | Cumulative\_Operation\_Time | 3 | 26368 | 00 67 00 |
| 33 74 01 6A | Get | Operation\_management | Ink\_And\_Makeup\_Name | 11 | "1072K,S1018" | 31 30 37 32 4B 2C 53 31 30 31 38 |
| 33 74 01 6B | Get | Operation\_management | Ink\_Viscosity | 1 | 0 | 00 |
| 33 74 01 6C | Get | Operation\_management | Ink\_Pressure | 0 | 0 |  |
| 33 74 01 6D | Get | Operation\_management | Ambient\_Temperature | 1 | 248 | F8 |
| 33 74 01 6E | Get | Operation\_management | Deflection\_Voltage | 1 | 0 | 00 |
| 33 74 01 6F | Get | Operation\_management | Excitation\_VRef\_Setup\_Value | 1 | 11 | 0B |
| 33 74 01 70 | Get | Operation\_management | Excitation\_Frequency | 2 | 689 | 02 B1 |

# 0x75 IJP operation function



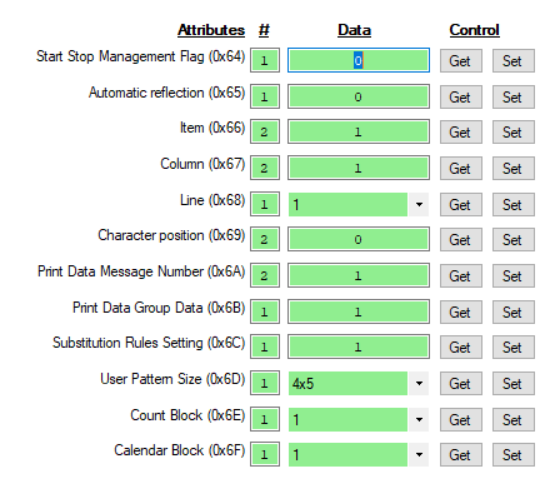
|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Status/Path** | **Access** | **Class** | **Attribute** | **#In** | **Data In** | **Raw In** | **#Out** | **Data Out** | **Raw Out** |
| IJP\_operation | | | | | | | | | |
| 33 75 01 64 | Get | IJP\_operation | Remote\_operation\_information | 1 | 0 | 00 |  |  |  |
| 33 75 01 66 | Get | IJP\_operation | Fault\_and\_warning\_history | 6 | See=> | 5A 00 00 00 E3 07 |  |  |  |
| 33 75 01 67 | Get | IJP\_operation | Operating\_condition | 1 | 1 | 01 |  |  |  |
| 33 75 01 68 | Get | IJP\_operation | Warning\_condition | 1 | 1 | 01 |  |  |  |
| 33 75 01 6A | Get | IJP\_operation | Date\_and\_time\_information | 10 | 2019/9/6 13:42 | E3 07 09 00 06 00 0D 00 2A 00 |  |  |  |
| 33 75 01 6B | Get | IJP\_operation | Error\_code | 1 | 0 | 00 |  |  |  |
| 33 75 01 6F | Get | IJP\_operation | Online\_Offline | 1 | On Line | 01 |  |  |  |

# 0x79 Count function



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Status/Path** | **Access** | **Class** | **Attribute** | **#In** | **Data In** | **Raw In** |
| Count | | | | | | |
| 33 79 01 66 | Get | Count | Number\_Of\_Count\_Block | 1 | 0 | 00 |
| 33 79 01 67 | Get | Count | Initial\_Value | 27 | "8�8�p\*�p\*�1072K,S1018" | 38 03 10 B5 38 03 10 B5 70 2A 11 B5 70 2A 11 B5 |
| 33 79 01 68 | Get | Count | Count\_Range\_1 | 27 | "8�8�p\*�p\*�1072K,S1018" | 38 03 10 B5 38 03 10 B5 70 2A 11 B5 70 2A 11 B5 |
| 33 79 01 69 | Get | Count | Count\_Range\_2 | 27 | "8�8�p\*�p\*�1072K,S1018" | 38 03 10 B5 38 03 10 B5 70 2A 11 B5 70 2A 11 B5 |
| 33 79 01 6A | Get | Count | Update\_Unit\_Halfway | 3 | 1049400 | 10 03 38 |
| 33 79 01 6B | Get | Count | Update\_Unit\_Unit | 3 | 1049400 | 10 03 38 |
| 33 79 01 6C | Get | Count | Increment\_Value | 1 | 0 | 00 |
| 33 79 01 6D | Get | Count | Direction\_Value | 1 | 0 | 00 |
| 33 79 01 6E | Get | Count | Jump\_From | 27 | "8�8�p\*�p\*�1072K,S1018" | 38 03 10 B5 38 03 10 B5 70 2A 11 B5 70 2A 11 B5 |
| 33 79 01 6F | Get | Count | Jump\_To | 27 | "8�8�p\*�p\*�1072K,S1018" | 38 03 10 B5 38 03 10 B5 70 2A 11 B5 70 2A 11 B5 |
| 33 79 01 70 | Get | Count | Reset\_Value | 27 | "8�8�p\*�p\*�1072K,S1018" | 38 03 10 B5 38 03 10 B5 70 2A 11 B5 70 2A 11 B5 |
| 33 79 01 71 | Get | Count | Type\_Of\_Reset\_Signal | 0 | None |  |
| 33 79 01 72 | Get | Count | External\_Count | 0 | Disable |  |
| 33 79 01 73 | Get | Count | Zero\_Suppression | 1 | Disable | 00 |
| 33 79 01 74 | Get | Count | Count\_Multiplier | 27 | "8�8�p\*�p\*�1072K,S1018" | 38 03 10 B5 38 03 10 B5 70 2A 11 B5 70 2A 11 B5 |
| 33 79 01 75 | Get | Count | Count\_Skip | 0 | "" |  |

# 0x7A Index function



|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Status/Path** | **Access** | **Class** | **Attribute** | **#In** | **Data In** | **Raw In** | **#Out** | **Data Out** | **Raw Out** |
| Index | | | | | | | | | |
| 33 7A 01 64 | Get | Index | Start\_Stop\_Management\_Flag | 1 | 0 | 00 |  |  |  |
| 33 7A 01 65 | Get | Index | Automatic\_reflection | 1 | 0 | 00 |  |  |  |
| 33 7A 01 66 | Get | Index | Item | 2 | 1 | 00 01 |  |  |  |
| 33 7A 01 67 | Get | Index | Column | 2 | 1 | 00 01 |  |  |  |
| 33 7A 01 68 | Get | Index | Line | 1 | 1 | 01 |  |  |  |
| 33 7A 01 69 | Get | Index | Character\_position | 2 | 0 | 00 00 |  |  |  |
| 33 7A 01 6A | Get | Index | Print\_Data\_Message\_Number | 2 | 1 | 00 01 |  |  |  |
| 33 7A 01 6B | Get | Index | Print\_Data\_Group\_Data | 1 | 1 | 01 |  |  |  |
| 33 7A 01 6C | Get | Index | Substitution\_Rules\_Setting | 1 | 1 | 01 |  |  |  |
| 33 7A 01 6D | Get | Index | User\_Pattern\_Size | 1 | 4x5 | 01 |  |  |  |
| 33 7A 01 6E | Get | Index | Count\_Block | 1 | 1 | 01 |  |  |  |
| 33 7A 01 6F | Get | Index | Calendar\_Block | 1 | 1 | 01 |  |  |  |