

HTOP

(HANDY TOUCH OPERATION PANEL)

- 1. Strength of HTOP**
- 2. Component of HTOP(Wire/Wireless)**
- 3. Details of HTOP**
- 4. Specifications of HTOP**
- 5. Details of W-STATION**
- 6. Specifications of W-STATION**
- 7. An example of System application**
- 8. Setting of XDesignerPlus**
- 9. Setting for Ethernet(Wireless)**
- 10. Setting of W-Station**

1. Strength of HTOP

1. Convenience

- Hand held type, mobile HMI and possible distance communication with AP(wireless).

2. Safety

- Operator can control dangerous machines in safe area.

3. Mobility

- Available to operate HTOP wherever you are.

4. Longlife

- Possible Keep HTOP without electrical noise and vibration

2. Component of HTOP(Wireless)

HTOP



W-STATION

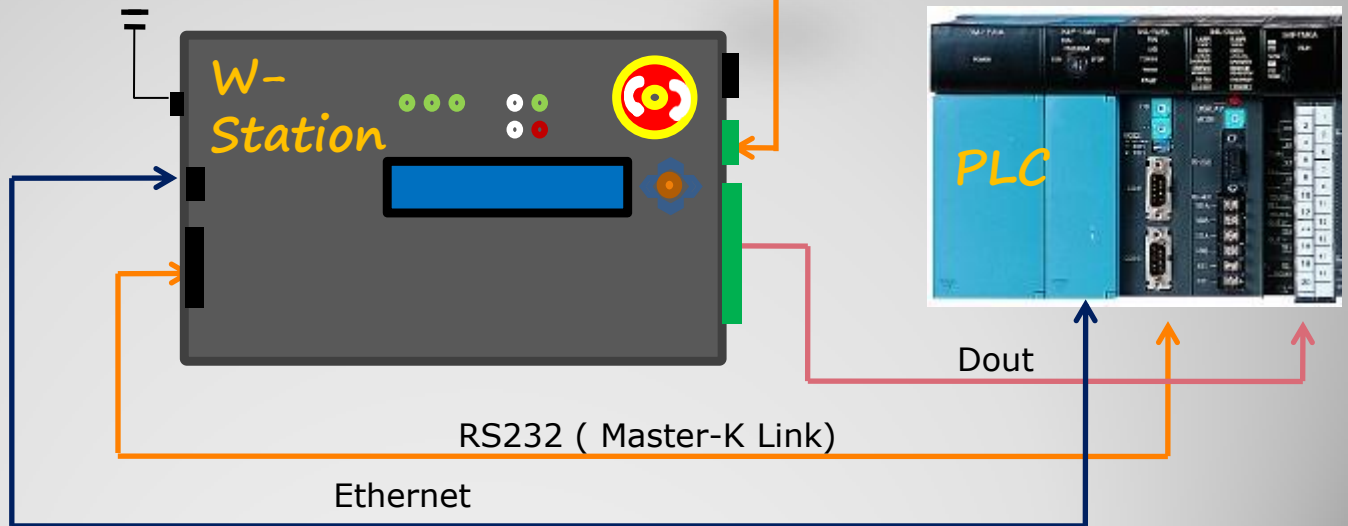


**Wireless
Communication**

Power
24VDC



PLC

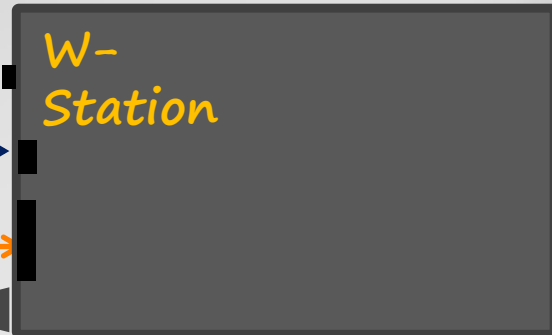


2. Component of HTOP(Wired)

HTOP



W-STATION



PLC



Power
24VDC



**Wire
Communication**

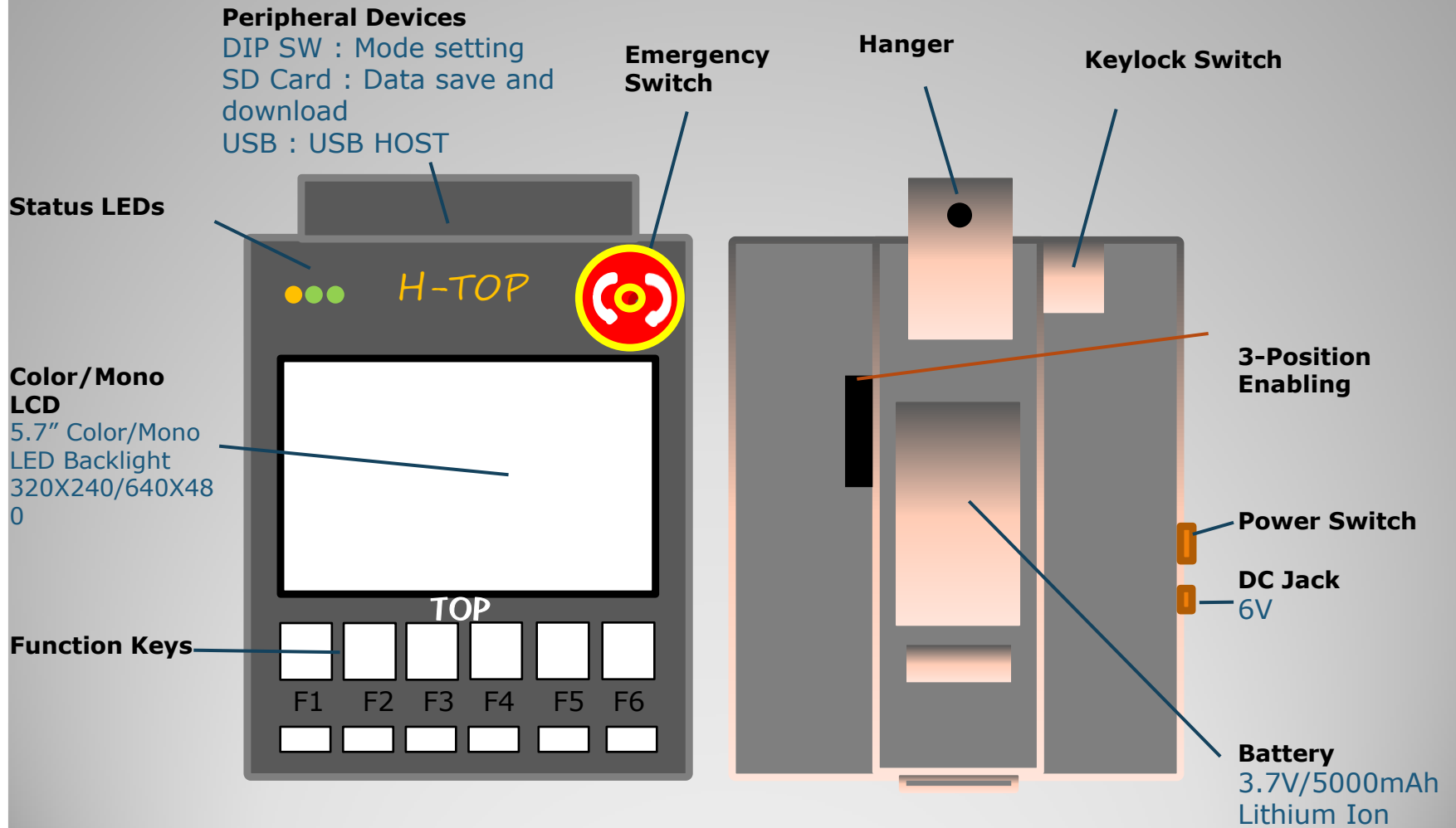


Ethernet

RS232 (Master-K Link)

Dout

3. Details of HTOP



4. Specification of HTOP

- **Wired/Wireless common specification**

- Compatible project file with XTOP05-E series
- AC Adaptor 12V DC 2 and power switch
- 6 User Defined Function Key
- 3 Indicator LED to display power and operation
- KeyLock unit, 3-Position Enabling and emergency switches
- Available SD-Card
- USB-Host/Device

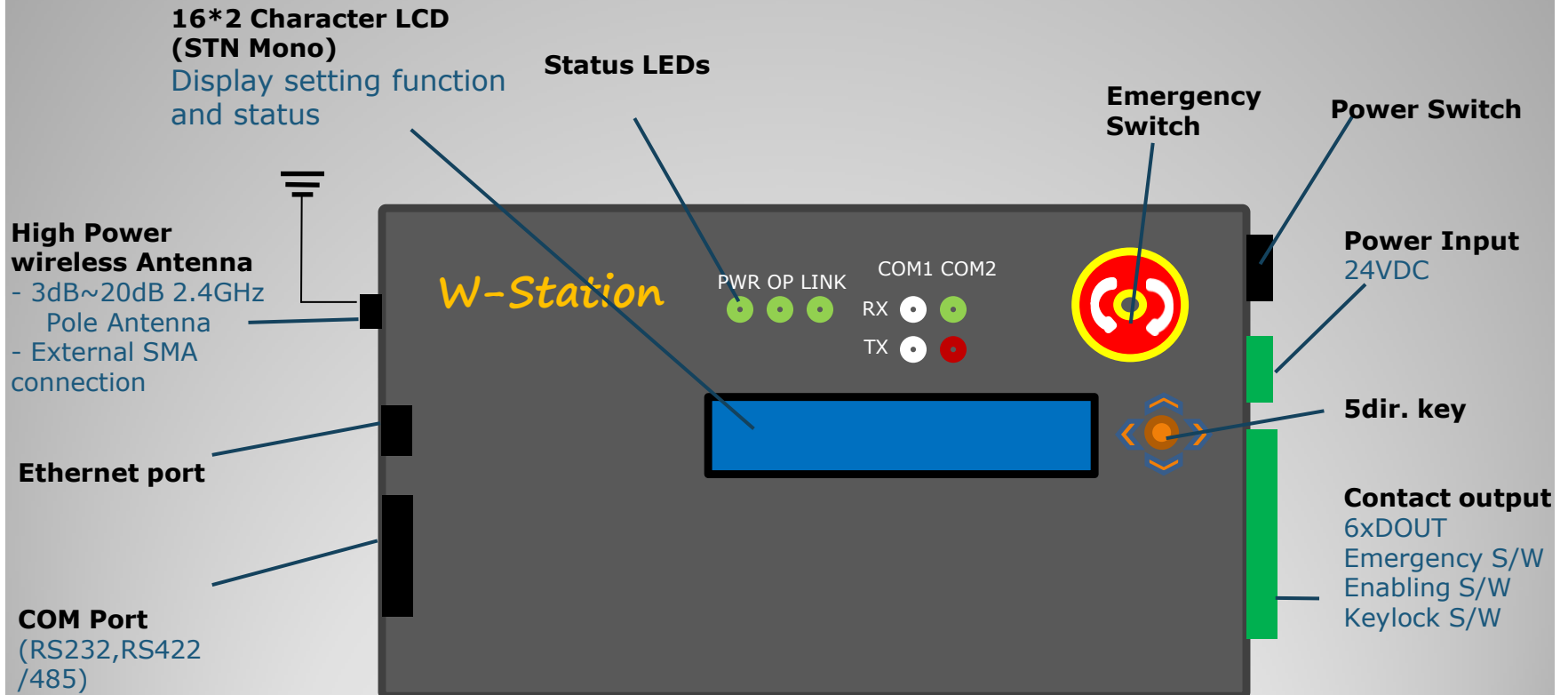
- **Wireless**

- Complete Mobile - 802.11 b/g WLAN (WI-FI) /2.4GHz (2.400~2.4835GHz)
- Li+ rechargeable battery, running time 5 hours/charging time 3hours
- Replaceable battery
- Reception distance : Open Space 100m (receive sensitivity -88dBm) / about 150m
- Support for IEEE802.11i security enhancements
 - : 4 type security support / Auto Connection profile support
- Built in PCB Antenna

- **Wired**

- 37P Extension connector
- Filtered DC power from W-Station
- Communication : Ethernet, RS232/422/485

5. Specification of W-Station



6. Specification of W-Station

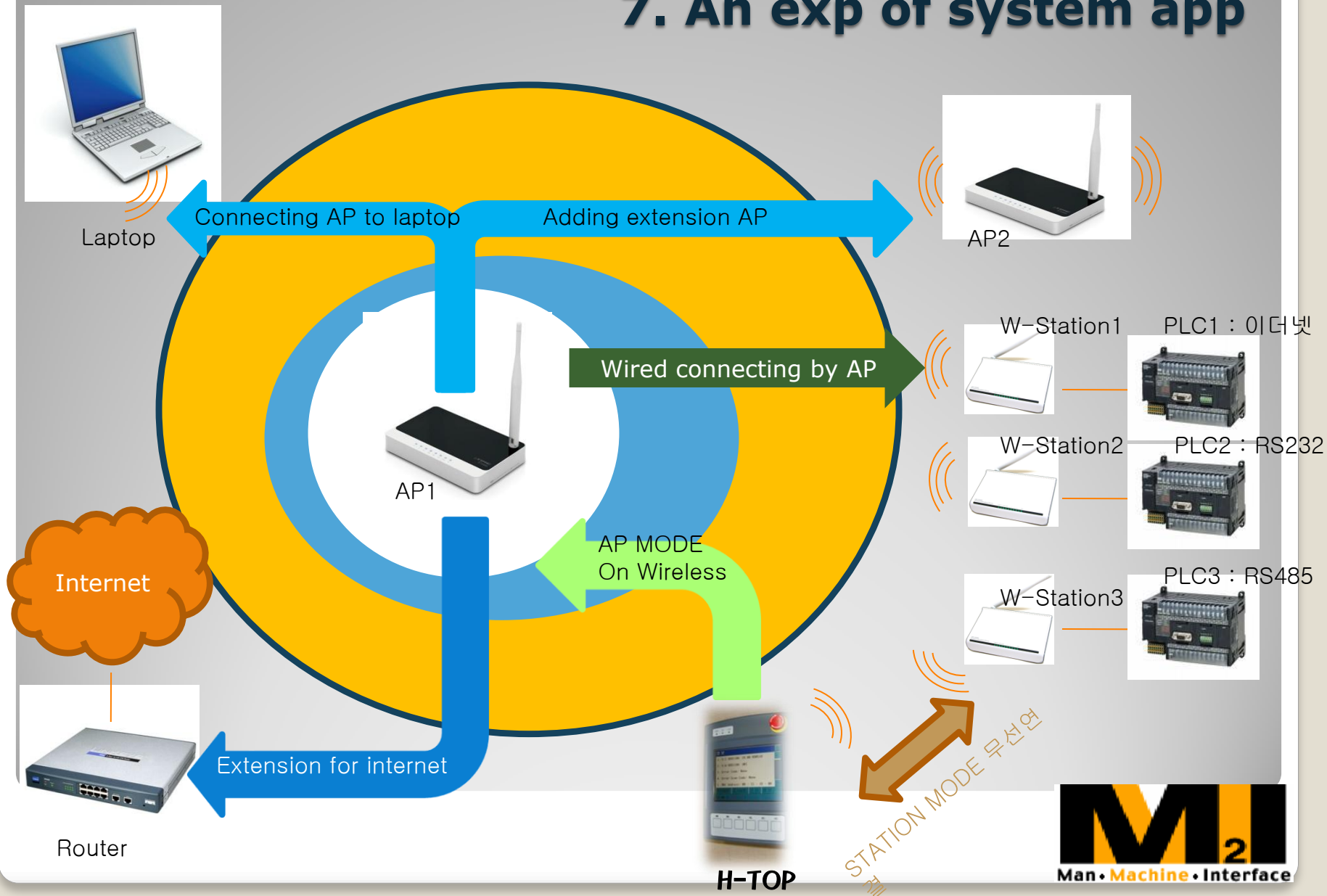
- **Wired/wireless Type**
- WLAN
 - The same wireless standard with H-TOP
 - Adhoc/Infrastructure Connection Support
 - 3dB~20dB 2.4GHz Pole Antenna, External SMA connection
- User Interface
 - Character LCD to display status and setting of network
 - 5 direction function key
 - 7 status LEDs
- Port Translation
 - WLAN Ethernet <-> Wired Ethernet, RS232/422/485
- Built in Port for maintenance
 - USB H/D
- environment
 - The same specification with XTOP

- Connection of HTOP**

2	4	6	8	10	12	14	16	18	20	22	24	26	28
EMG_A1-1	EMG_A1-2	EMG_B1-1	EMG_B1-2	NC	NC	3P_A1-1	3P_A1-2	3P_A2-1	3P_A2-2	KEY_A	KEY_COMA	KEY_B	KEY_COMB
ALV	ALV_COM	DO0	DO1	DO2	COM1	DO3	DO4	DO5	COM2	NC	NC	NC	NC
1	3	5	7	9	11	13	15	17	19	21	23	25	27

Pin NO.	Sig. name	Description
1	ALIVE	DC24V PULSE out
3	ALIVE_COM	DC24V PULSE COM
5,7,9	Dout(0~2)	DC24V Dout(0~2) From HTOP
11	COM1	Dout(0~2) com.
13,15,17	Dout(3~5)	DC24V Dout(3~5) From HTOP
19	COM2	Dout(3~5) com.
2	EMG_A1-1	W-Station EMG Switch A contact
4	EMG_A1-2	W-Station EMG Switch A com
6	EMG_B1-1	W-Station EMG Switch B contact
8	EMG_B1-2	W-Station EMG Switch B com
10	NC	Reserved
12	NC	Reserved
14	3P_A1-1	3Position Switch A contact Out1
16	3P_A1-2	3Position Switch A contact com1
18	3P_A2-1	3Position Switch A contact Out2
20	3P_A2-2	3Position Switch A contact com2
22	Key_A	Key Switch A OUT
24	Key_COMA	Key_A Switch COM
26	Key_B	Key Switch B OUT
28	Key_COMB	Key_B Switch COM
21,23,25,27	NC	Reserved

7. An exp of system app



8. Setting of XDesignerPlus

1. Select Wired/Wireless HTOP in Project Property

Project Setting

HMI / PLC Unit

Series HTOP Series Vendor LSIS
Model HTOP05TQ-SD PLC Model Glofa GM (LINK)

TOP

Series	Name	Resolution	Color	Memory
XTOP Series	HTOP05TQ-SD	320 * 240	65536Color	26M
ATOP Series	HTOP05TQ-SD(-W)	320 * 240	65536Color	26M
HTOP Series	HTOP05TV-SD	640 * 480	65536Color	26M
	HTOP05TV-SD(-W)	640 * 480	65536Color	26M

HTOP05TQ-SD : Wired
HTOP05TQ-SD(-W) :
Wireless

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Project Setting

HMI / PLC Unit

Series HTOP Series Vendor LSIS
Model HTOP05TQ-SD(-W) PLC Model XGT(XGK,XGB) Ethernet

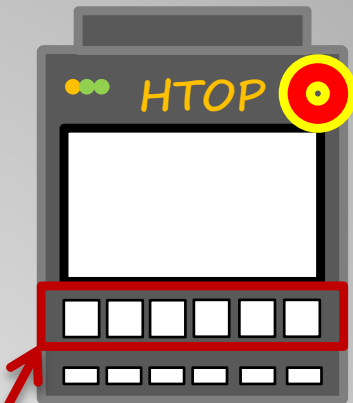
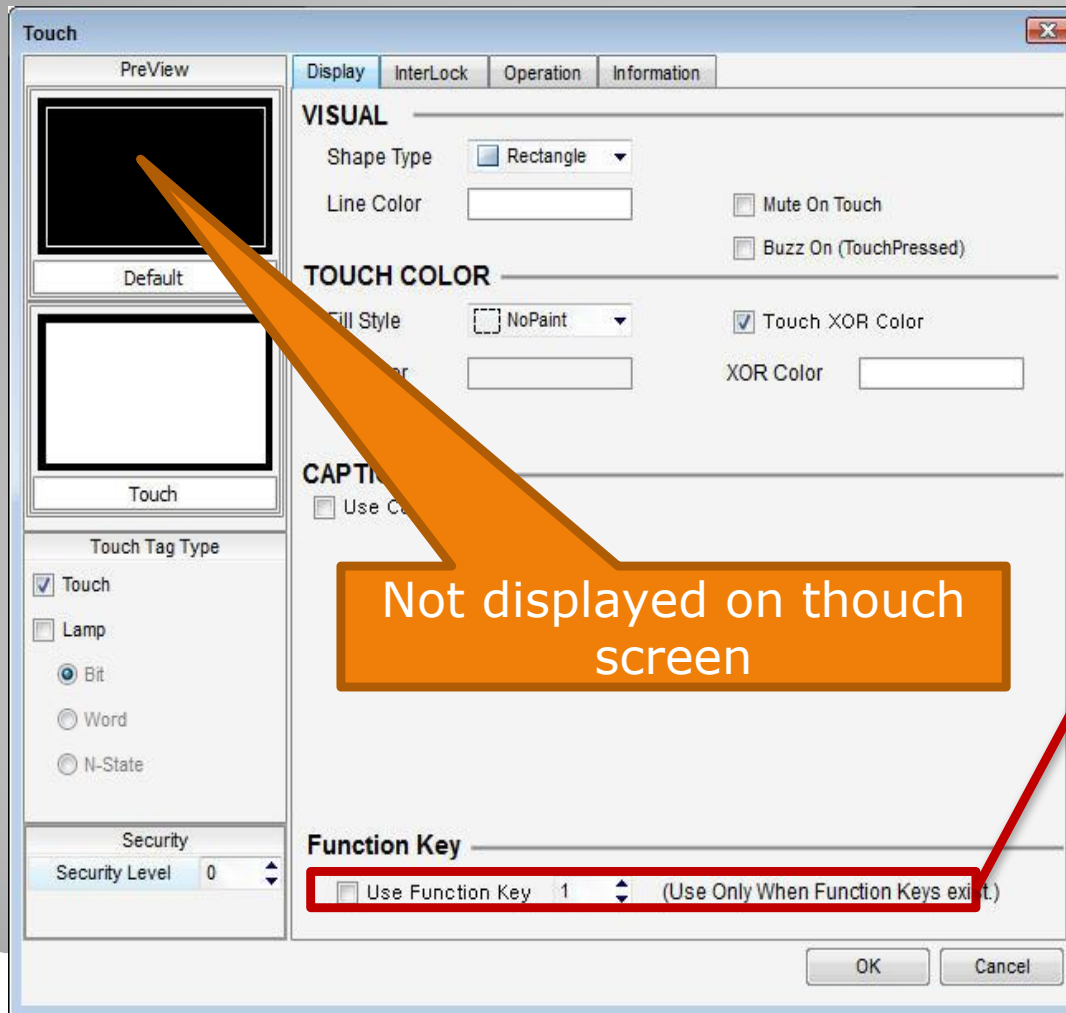
PLC

Vendor	Model
LSIS	XGT(XGK,XGB) Ethernet
	XGT(XGK,XGB) Link
SAMSUNG	
MITSUBISHI	
OMRON	
MODBUS	
Rockwell (Allen Bradley)	
SIEMENS	
GE Fanuc	
HITACHI	
KOYO	
KDT Systems	
PANASONIC(Matsushita)	
Honeywell	
YOKOGAWA	
FATEK	
YASKAWA	
VIGOR	
EMOTIONTEK	
SCHNEIDER	
DELTA	
FUJI	
SLAVE	

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2.Register FUNCTION KEY

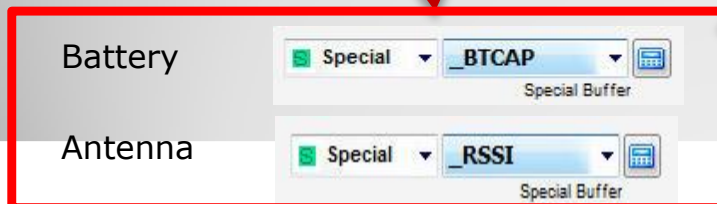
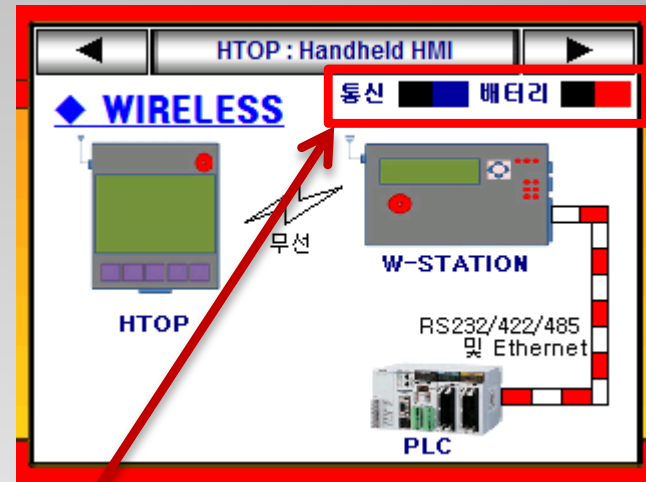
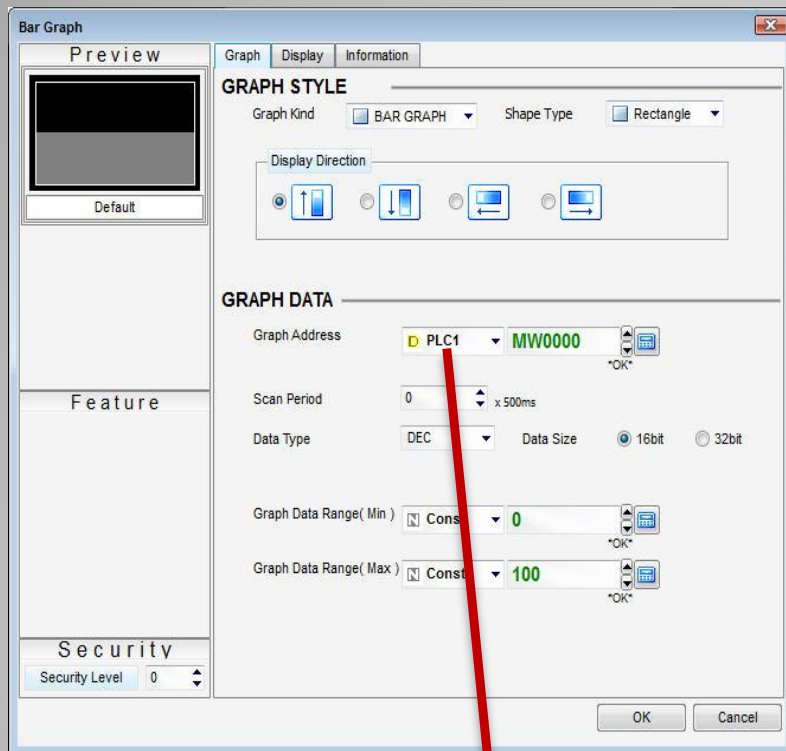
-Available main buttons with FUNCTION KEY.



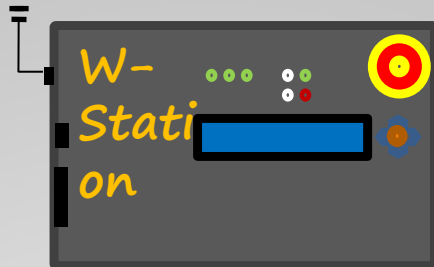
FUNCTION KEYS

3. Display status of hardware

-HTOP supports displaying battery capacity and antenna status



9. Setting for Ethernet



W-Station Setup 1.0.1.0

W-STATION

W-LAN MODE ☒ Ad Hoc mode ☐ Infrastructure mode (AP Client Mode)

IP ADDRESS 192 168 0 53

SUBNET MASK 255 255 255 0

GATEWAY 192 168 0 1

SSID W-Station_0 0

SECURITY WEP64

PASSWORD (5)

PLC

PLC IP 192 168 0 53

READ PORT 2004

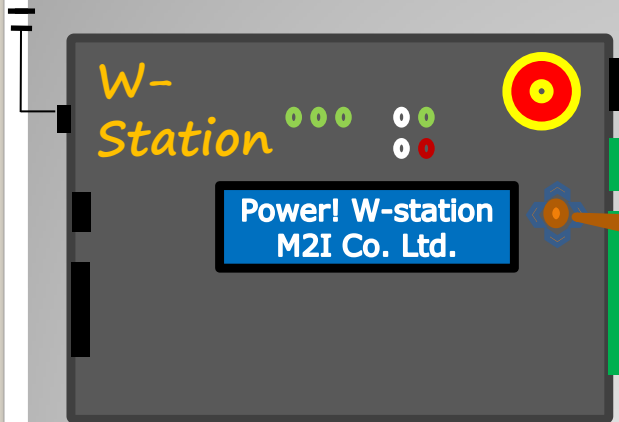
WRITE PORT 2004

PROTOCOL ☐ UDP ☒ TCP

Read Write

IP-192.168.0.53
S/M-255.255.255.0
G/W-192.168.0.1
READ-2004
WRITE-2004
PROTOCOL-TCP

10. Setting of W-Station



===menu===
->setup

===setup===
->IP Setup

===setup===
->Wireless Setu

===setup===
->All Initialize

===menu===
->Information

=Information=
->OS Version

=Information=
->MAC(Lan)

=Information=
->MAC(Wireless)

