

WEB Configuration Touch Panel



Mobile phone、iPad、
Computer can monitor
configuration pages in real
time.

Open data interfaces are
integrated by third party
systems



WEB configuration Touch Panel		
1	F-W7-1041	3
2	F-W10-1041	6
3	F-W15-1041	9

Model	Supported Points	Supported Protols	Interfaces	Functional features
F-W7-1041 *4G、Wifi module for option	2048	nearly 200	1 ethernet 4 RS485 1 RS232	1024*600 With gateway function
F-W10-1041 *Wifi module for option	2048	nearly 200	1 ethernet 4 RS485 1 RS232	1280*800 With gateway function
F-W15-1041 *Wifi module for option	2048	nearly 200	1 ethernet 4 RS485 1 RS232	1920*1080 With gateway function



7” Touch Panel Product mode:F-W7-1041 (With gateway function)

Functional description: 7” WEB configuration touch panel is a new product research and development independently from Shanghai Sunfull, can monitor real-time data and directly into the configuration pages. Touch panel has characteristic of conventional general configuration and is easy to operate, and it can run on an embedded system features Compared with other configuration software, the biggest bright spot is based entirely on WEB development, the configurations of the user to create projects, can be downloaded to touch panel, phone、iPad and PC can access via browser, and open data interface by a third party system integration.

Application fields : F-W7-1041 Support conversion to standard BACnet protocol, standard Modbus protocol, or WeChat alarm, SMS alarm, upload cloud by MQTT. It is applied to BA system, or in the industrial field, to connect some uncommon control devices, such as PLC ,air conditioner, elevator, fire control, lighting control system, smart ammeter,water meter, etc. So users can monitor to the field device through the WEB configuration touch panel, or by mobile phone、 iPad and PC.

Runtime environment:

OS: Win 7/Win8/Win10/Win Server 2003/Win Server2008 etc.

Browser: IE9（and above） 、 Safari、 Google Chrome、 firefox、 Opera etc.

Register Type&Num

Number of Registers is dynamic, each register can be builded up to 2048 points.

Supported BACnet type and number
are shown below.

Supported Modbus type and number are
shown below.

BACnet Register-type	BACnet Register-number	Modbus Register-type	Modbus Register-number
AI（Read only）	2048（0~2047）	0X(Coil Status) （Read and Write）	2048（1~2048）
AO（Read and Write）	2048（0~2047）	1X(Input Status) （Read Only）	2048（1~2048）
AV（Read and Write）	2048（0~2047）	4X(Holding Register) （ Read and Write）	2048（1~4096）
BI（Read only）	2048（0~2047）	3X(Input Register) （Read only）	2048（1~4096）
BO（Read and Write）	2048（0~2047）		
BV（Read and Write）	2048（0~2047）		
MI（Read only）	2048（0~2047）		
MO（Read and Write）	2048（0~2047）		
MV（Read and Write）	2048（0~2047）		

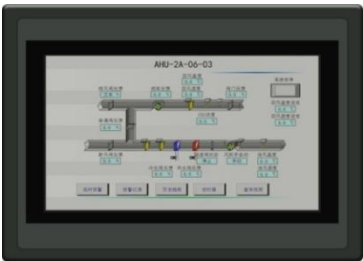
Notes:
1.4X and 3X register address = translocation register address *2+1
0X and 1X register address = translocation register address +1
2. The data type of 4X and 3X can only be Float

F-W7-1041

F-W10-1041

F-W15-1041

7" Touch Panel Product mode :F-W7-1041 （With gateway function）



Software Features:

- Green and free installation, support both Chinese and English;
- Support close to 200 protocols to convert into BACnet server Modbus server ,upload to cloud by MQTT
- Support SMS、 E-mail 、 WeChat and other communication methods to send alarm information;
- Support JS script to implement logical control;
- Support user group management, configuration screen monitoring can set permissions;
- Supporting historical storage;
- Support multiple forms of timing, event triggering, and custom function functions to facilitate the extension of applications;
- Support LAN, easy realization of remote viewing and control of touch screen via phone、 iPad、 PC;
- Add new private protocol support, within 2 weeks;

Hardware Parameter:

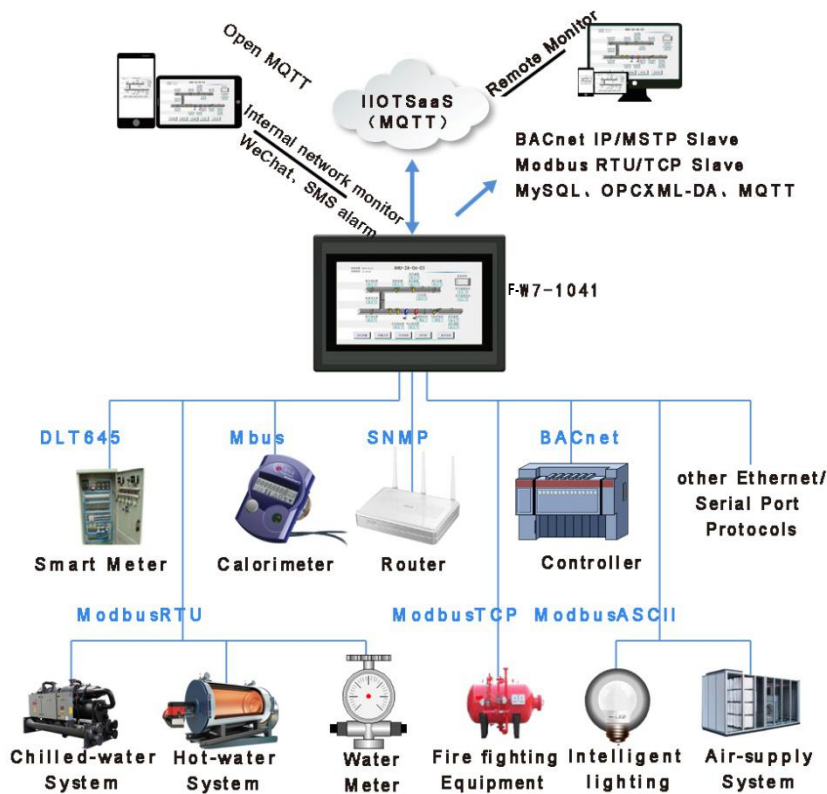
Screen resolution: 1024*600	Displayer: 7"TFT
Memory: DDR3 1G	Touch type: resistance-type
System: LINUX	Weight: 600g
Power dissipation: ≤8W	Material: Plastic Enclosure
CPU: 4 core 1.4GHZ	Power Supply: AC/DC 12V-24V
Flash: 8GB	Hole size: 210.5 * 146.50 mm
Port: 1x Ethernet, 4x RS485 serial ports 1x RS232 serial port, 1x debug serial port	Temperature: -20~70°C(working) -40~85°C(storage and transportation)
Network: 1x High performance 100M/10M adaptive industrial network card, support AUTO MDI/MDIX	Humidity: 20%~90%no condensation (work), 15%~95%no condensation (storage and transportation)

F-W7-1041

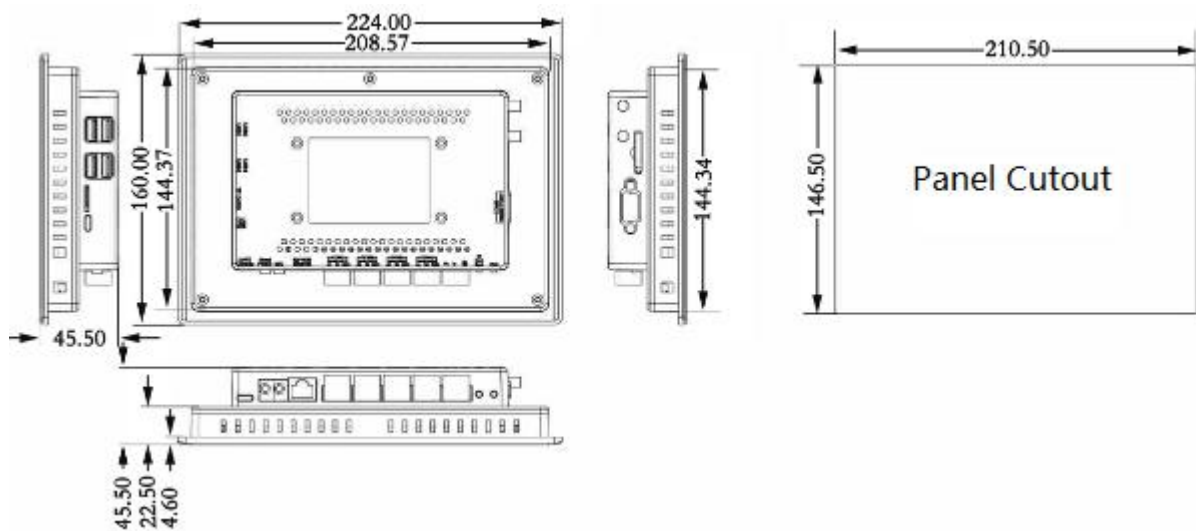
F-W10-1041

F-W15-1041

Application Principle
Diagram



Product Size





10” Touch Panel Product mode:F-W10-1041

Functional description: 10” WEB configuration touch panel is a new product research and development independently from Shanghai Sunfull, can monitor real-time data and directly into the configuration pages. Touch panel has characteristic of conventional general configuration and is easy to operate, and it can run on an embedded system features Compared with other configuration software, the biggest bright spot is based entirely on WEB development, the configurations of the user to create projects, can be downloaded to touch panel, phone、iPad and PC can access via browser, and open data interface by a third party system integration.

Application fields : W10-1041 Support conversion to standard BACnet protocol, standard Modbus protocol, or WeChat alarm, SMS alarm, upload cloud by MQTT. It is applied to BA system, or in the industrial field, to connect some uncommon control devices, such as PLC ,air conditioner, elevator, fire control, lighting control system, smart ammeter,water meter, etc. So users can monitor to the field device through the WEB configuration touch panel, or by mobile phone、 iPad and PC.

Runtime environment:

OS: Win 7/Win8/Win10/Win Server 2003/Win Server2008 etc.

Browser: IE9（and above） 、 Safari、 Google Chrome、 firefox、 Opera etc.

Register Type&Num

Number of Registers is dynamic, each register can be builded up to 2048 points.

Supported BACnet type and number
are shown below.

Supported Modbus type and number are
shown below.

BACnet Register-type	BACnet Register-number	Modbus Register-type	Modbus Register-number
AI（Read only）	2048（0~2047）	0X(Coil Status) （Read and Write）	2048（1~2048）
AO（Read and Write）	2048（0~2047）	1X(Input Status) （Read Only）	2048（1~2048）
AV（Read and Write）	2048（0~2047）	4X(Holding Register) （Read and Write）	2048（1~4096）
BI（Read only）	2048（0~2047）	3X(Input Register) （Read only）	2048（1~4096）
BO（Read and Write）	2048（0~2047）		
BV（Read and Write）	2048（0~2047）		
MI（Read only）	2048（0~2047）		
MO（Read and Write）	2048（0~2047）		
MV（Read and Write）	2048（0~2047）		

Notes:
1.4X and 3X register address = translocation register address *2+1
0X and 1X register address = translocation register address +1
2. The data type of 4X and 3X can only be Float

F-W7-1041

F-W10-1041

F-W15-1041

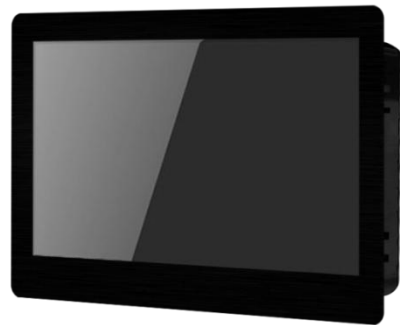
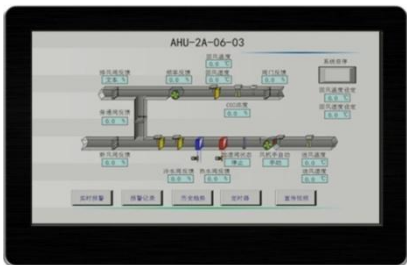
F-W7-1041

F-W10-1041

F-W15-1041

10" Touch Panel

Product mode :W10-1041 (With gateway function)



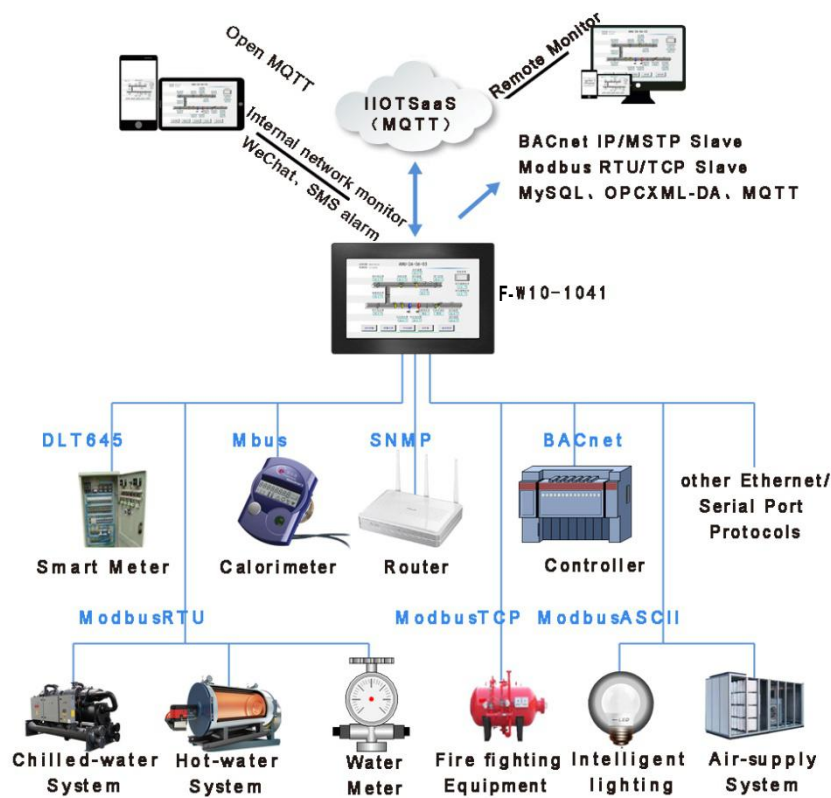
Software Features:

- Green and free installation, support both Chinese and English;
- Support close to 200 protocols to convert into BACnet server Modbus server ,upload to cloud by MQTT;
- Support SMS, E-mail , Wechat and other communication methods to send alarm information;
- Support JS script to implement logical control;
- Support user group management, configuration screen monitoring can set permissions;
- Supporting historical storage;
- Support multiple forms of timing, event triggering, and custom function functions to facilitate the extension of applications;
- Support LAN, easy realization of remote viewing and control of touch screen via phone、 iPad、 PC;
- Add new private protocol support, within 2 weeks;

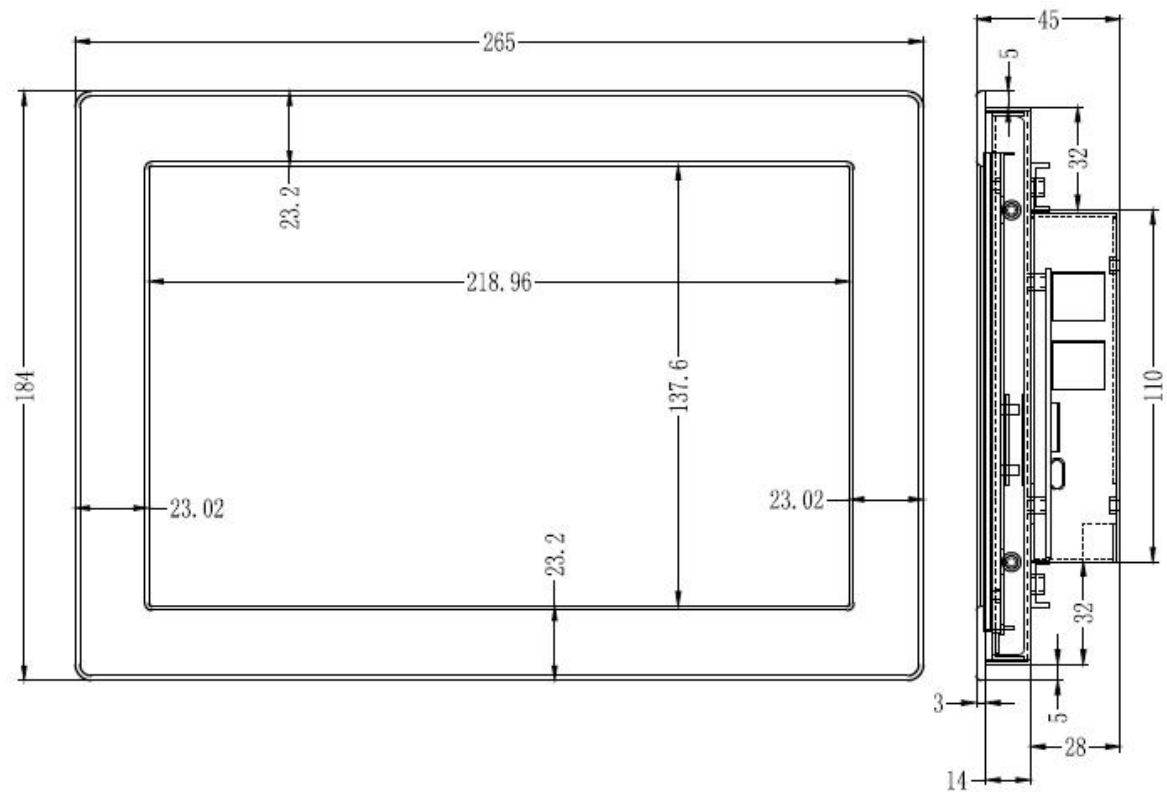
Hardware Parameter:

Screen resolution: 1280*800	Displayer: 10.1" TFT
Memory: DDR3 1G	Touch type: resistance-type
System: LINUX	Weight: 1.85kg
Power dissipation: ≤10W	Material: metal shell
CPU: 4 core 1.4GHZ	Power Supply: AC/DC 12V-24V
Port: 1x Ethernet, 4x RS485 serial ports 1x RS232 serial port, 1x debug serial port	Hole size: 257mm*176mm(L*W)
Flash: 8GB	Temperature: -20~70℃(working) -40~85℃(storage and transportation)
Network: 1x High performance 100M/10M adaptive industrial network card, support AUTO MDI/MDIX	Humidity: 20%~90%no condensation (work) 15%~95%no condensation (storage and transportation)

Application Principle
Diagram



Product Size



F-W7-1041

F-W10-1041

F-W15-1041



15" Touch Panel Product mode:F-W15-1041

Functional description: 15" WEB configuration touch panel is a new product research and development independently from Shanghai Sunfull, can monitor real-time data and directly into the configuration pages. Touch panel has characteristic of conventional general configuration and is easy to operate, and it can run on an embedded system features Compared with other configuration software, the biggest bright spot is based entirely on WEB development, the configurations of the user to create projects, can be downloaded to touch panel, phone、iPad and PC can access via browser, and open data interface by a third party system integration.

Application fields : W15-1041 Support conversion to standard BACnet protocol, standard Modbus protocol, or WeChat alarm, SMS alarm, upload cloud by MQTT. It is applied to BA system, or in the industrial field, to connect some uncommon control devices, such as PLC ,air conditioner, elevator, fire control, lighting control system, smart ammeter,water meter, etc. So users can monitor to the field device through the WEB configuration touch panel, or by mobile phone、iPad and PC.

Runtime environment:

OS: Win 7/Win8/Win10/Win Server 2003/Win Server2008 etc.

Browser: IE9 (and above) 、Safari、Google Chrome、firefox、Opera etc.

Register Type&Num

Number of Registers is dynamic, each register can be builded up to 2048 points.

Supported BACnet type and number
are shown below.

Supported Modbus type and number are
shown below.

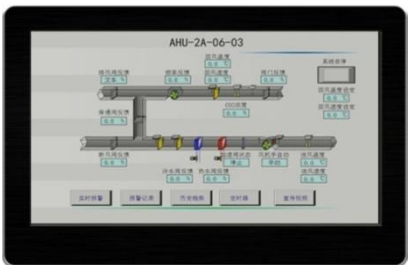
BACnet Register-type	BACnet Register-number	Modbus Register-type	Modbus Register-number
AI (Read only)	2048 (0~2047)	0X(Coil Status) (Read and Write)	2048 (1~2048)
AO (Read and Write)	2048 (0~2047)	1X(Input Status) (Read Only)	2048 (1~2048)
AV (Read and Write)	2048 (0~2047)	4X(Holding Register) (Read and Write)	2048 (1~4096)
BI (Read only)	2048 (0~2047)	3X(Input Register) (Read only)	2048 (1~4096)
BO (Read and Write)	2048 (0~2047)	Notes: 1.4X and 3X register address = translocation register address *2+1 0X and 1X register address = translocation register address +1 2. The data type of 4X and 3X can only be Float	
BV (Read and Write)	2048 (0~2047)		
MI (Read only)	2048 (0~2047)		
MO (Read and Write)	2048 (0~2047)		
MV (Read and Write)	2048 (0~2047)		

F-W7-1041

F-W10-1041

F-W15-1041

15" Touch Panel Product mode :F-W15-1041 （ With gateway forwarding function）



Software Features:

-Green and free installation, support both Chinese and English;

-Support close to 200 protocols to convert into the BACnet server、Modbus server 、upload to the cloud by MQTT;

-Support SMS, E-mail , Wechat and other communication methods to send alarm information;

-Support JS script to implement logical control;

-Support user group management, configuration screen monitoring can set permissions;

-Supporting historical storage;

-Support multiple forms of timing, event triggering, and custom function functions to facilitate the extension of applications;

-Support LAN, easy realization of remote viewing and control of touch screen via phone、iPad、PC;

-Add new private protocol support, within 2 weeks;

Hardware Parameter:

Screen resolution: 1920*1080

Displayer: 15.6" TFT

Memory: 1G

Touch type: resistance-type

System: LINUX

Weight: 2.85kg

Power dissipation: ≤15W

Material: metal shell

CPU: 4 core 1.4GHZ

Power Supply: AC/DC 12V-24V

Port: 1x Ethernet, 4x RS485 serial ports
1x RS232 serial ports, 1x debug serial port

Cutout size: 387mm*246mm(L*W)

Flash: 8GB

Temperature: -20~70°C(working)
-45~85°C(storage and transportation)

Network:
1x High performance 100M/10M adaptive industrial network card, support AUTO MDI/MDIX

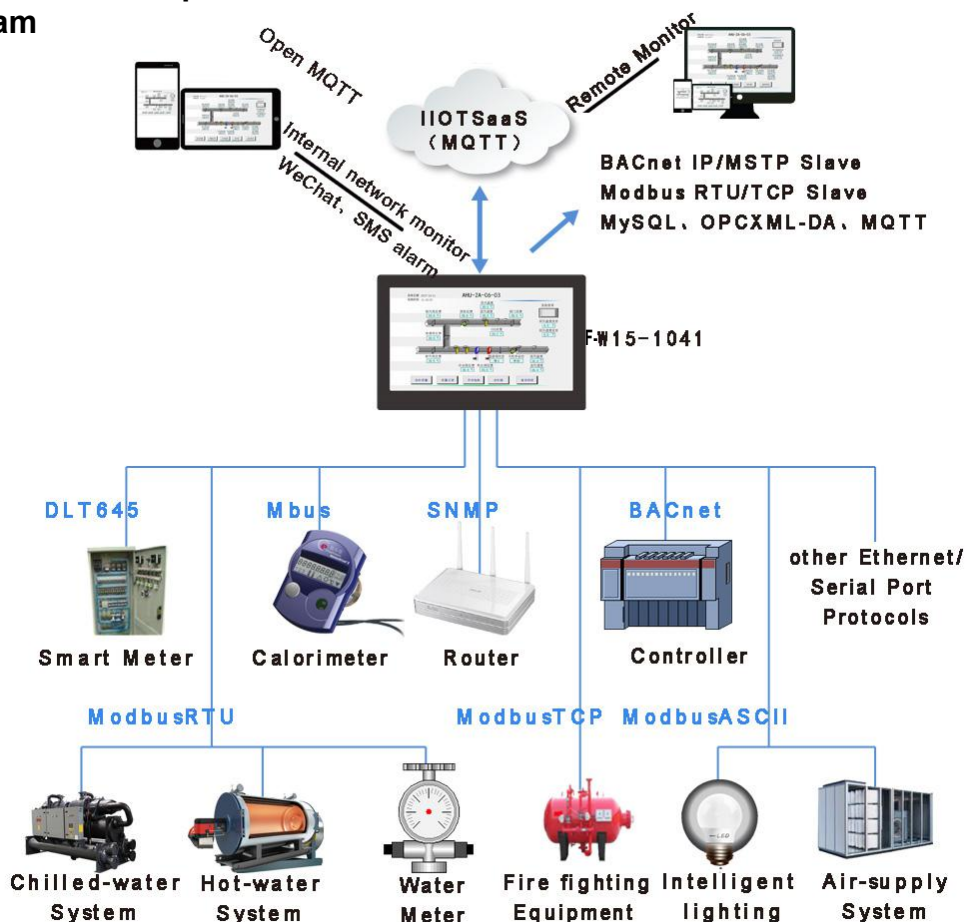
Humidity:
20%~90%no condensation (work),
15%~95%no condensation (storage and transportation)

F-W7-1041

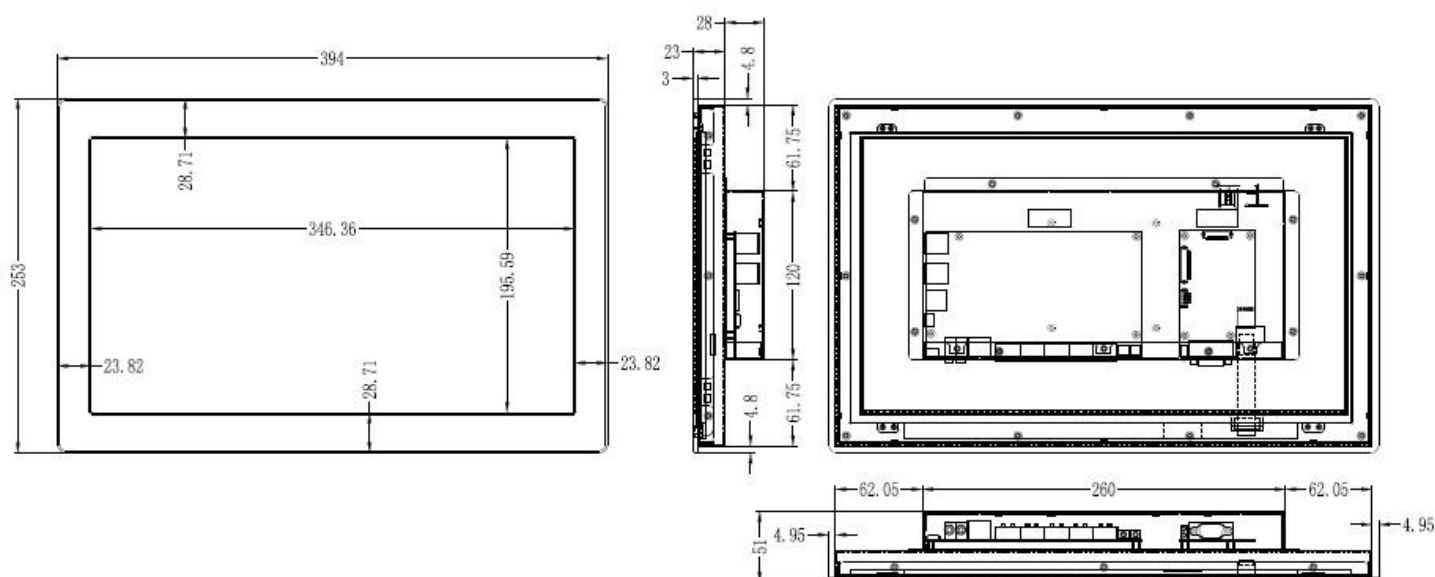
F-W10-1041

F-W15-1041

Application Principle Diagram



Product Size





Protocols Available

Common

- 1 BACnet IP
- 2 BACnet MS/TP
- 3 Modbus RTU
- 4 Modbus ASCII
- 5 Modbus TCP
- 6 Modbus UDP
- 7 Modbus RTU_TCP
- 8 Modbus RTU_UDP
- 9 Modbus ASCII_TCP
- 10 Modbus ASCII_UDP
- 11 Modbus RTU Server
- 12 OPC XML-DA
- 13 SNMP

Simulation

- 14 Simulator

Calorimeter for EU

- 15 MBus_EnergyMeter_EN

Calorimeter for CN

- 16 MBus_XinTuo_XTR
- 17 MBus_MaiTuo_MTW
- 18 MBus_AKE
- 19 MBus_YongGang
- 20 MBus_Zenner
- 21 MBus_EnergerMeter
- 22 MBus_EnergyMeter_HaiLin
- 23 Modbus_HaiLin_EnergyMeter

Water Meter for CN

- 24 MBus_WaterMeter
- 25 MBus_lyglhsb

- 26 ModbusRTU_Zenner

- 27 MBus_WaterMeter_LXSGY_15E

Flow Meter

- 28 Modbus Kent
- 29 Spirax SARCO M841
- 30 SC_FlowMeter
- 31 Modbus_CNM
- 32 MODBUS_LCD
- 33 Modbus_LDZ_6_GuangHua
- 34 Modbus_BiaoYi_WL
- 35 ModbusRTU_D08_8C

Elevator

- 36 Hitachi Elevator BA Iterface
- 37 Mitsubishi Elevator SMOS-PS2
- 38 Mitsubishi Elevator KLR-F485
- 39 Otis Elevator BA Interface
- 40 ModbusRTU_Otis_BAS
- 41 Otis_Elevator_BA_Jen2
- 42 ModbusTCP_Thyssenkrupp_Elevator
- 43 ModbusRTU_Thyssenkrupp_Elevator
- 44 Mitsubishi Elevator SMOS-PS2_TCP
- 45 Modbus_Otis_Elevator
- 46 Modbus_Kone elevator
- 47 Modbus_Kone elevator ASCII
- 48 Mitsubishi Elevator MAXIEZ
- 49 Modbus_XIOLIFT_Elevator
- 50 XIOLIFT_Escalator

Electricity Meter

- 51 IEC104
- 52 DLT645-1997
- 53 DLT645-2007

54 Modbus PM800
55 Modbus IEM3000
56 CDT
57 DLT645-CHINT
58 Modbus_woyat

Airconditon

59 Toshiba_Airconditioning
60 EMERSON_ACM03U1
61 Hisense_Airconditioning
62 Joton Tmaster
63 Modbus_DAIKIN_IRACC
64 DAIKIN_DRCH-R5
65 VotonThermostat
66 SysGreen_Airconditioning
67 Hitachi_Chiller
68 SANYO_DG-52GHT
69 Gree_BaseStationAirconditioning
70 RC_Com
71 ZHONGHONG_VRVGateway
72 Modbus_YORK_YCOH120HSEM
73 Panasonic_Inverter
74 SamSung_DVM_Protocol

PLC

75 Mitsubishi FX1S
76 Mitsubishi FX2N
77 Mitsubishi FX3U
78 Mitsubishi FX_485ADP_485BD
79 Mitsubishi Melsec_Q_Serial
80 Mitsubishi Melsec_Q_TCP
81 MEGMEET_MC200
82 Haiwell E/S PLC
83 Haiwell H/N PLC
84 Panasonic FP
85 XINJE PLC

86 DELTA_DVP
87 FATEK_FB
88 OMRON_FINS_UDP
89 OMRON_FINS_Serial
90 Saia_SBus_UDP
91 Toshiba_PROVISOR_TC200
92 LS_GM_GLOFA_Enet

Siemens PLC

93 Siemens S7-200 PPI
94 Siemens S7-200 Network
95 Siemens S7-300 Network
96 Siemens S7-1200 Network
97 XT55 GPS SERVER

Lighting control

98 KNXnetIP
99 KNXnetIP_MultiCast
100 DyNet
101 Modbus LDS
102 MicroPara_DR0816
103 MicroPara_DR1220
104 MicroPara_DH0416
105 LitePuter_DP_105E
106 LitePuter_PLNET
107 MicroPara
108 ULaiDe
109 LDS
110 E_Linker_ECWG485
111 Lutron_Telnet

UPS

112 SANTAK UPS
113 DELTA UPS ES3000
114 LEGRAND UPS
115 EMERSON_HIPULSE

116 EMERSON_Liebert_UPS
117 ModbusRTU_GE_UPS
118 EKSI_UPS
119 EMERSON_NXL

Solar Control

120 Cibsolar_CA
121 Kaseman GRC

Fire Alarm

122 JB-3208 CRT
123 Siemens Cerberus FS18
124 BOSCH_DS7400XI_TCP
125 BOSCH_DS7400XI
126 VESDA_Open_HLI_Protocol
127 YANRONG_YR_LC_TXAH
128 NOTIFIRE_NFS2_3030_CRT
129 TYCO_Simplex_4100ZHU

Attemperator

130 LTM9662_485NET

Environmental Protection

131 SC_HuangMei

Radar

132 Hypersee_Radar
133 Hypersee_Alarm_Radar

Weight

134 Buhler_MEAF
135 METTLER_TOLEDO_SICS
136 YAOHUA_XK3190
137 XPBalance_ES_20KTS
138 GriffithElder_ContainerTilt

Other Protocols

139 FFU
140 Panasonic MINAS A5
141 SINOLY JINE_JA05
142 SAUTER_CASE_VAV
143 saj110_AlarmSystem
144 EMEC_LDPH
145 RKC_CH402
146 YuDian_AI_Single_loop
147 GreenDaoFenMuJi
148 SOLIN
149 Condair_PH
150 BIGBANIAN_AIRC800
151 ACTI_SignalSelector
152 Modbus_TG01W
153 Ebara_Densan_S-BCS
154 Modbus_HOLTOP_HDK_09S_BA
155 YeeFung_Parking_System
156 Projector
157 HeFei_Ahhfat
158 BoosterBoiler_NEURON_NXQ
159 Epson_PJLink
160 Lumi_Gateway
161 SUMITOMO_SE_D
162 AAF_EMBBUS_EC
163 Arspas_FFU

FUKA

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Email: sales@opcmaster.com

<http://www.opcmaster.com>
<http://www.bacnetchina.com>



Carrier Protocols Available

Carrier Protocol

1 CCN_16DE1_4_1	16 CCN_19XR_PIC5_SCG_SR_20M200330
2 CCN_19XL02	17 CCN_23XR
3 CCN_19XL04	18 CCN_23XR_PIC3_04A
4 CCN_19XL06	19 CCN_30HXC
5 CCN_19XR05	20 CCN_30RBM
6 CCN_19XR07	21 CCN_30RBNGA
7 CCN_19XR08	22 CCN_30RBNGA02
8 CCN_19XR09	23 CCN_30RBRQ30
9 CCN_19XR10	24 CCN_30RBRQ40
10 CCN_19XR10D	25 CCN_30RBRQ50
11 CCN_19XR11	26 CCN_30XAXQXW
12 CCN_19XR12	27 CCN_30XQ
13 CCN_19XRE01	28 CCN_30XW
14 CCN_19XRV	29 CCN_30XWV
15 CCN_19XR_PIC5	30 CCN_30XWV_SH

**Note: An additional fee is required
except W15-1041, if carrier protocols
can be supported.**