Ruggedized IP65

5.7" ARM HMI Panel PC
Model: WPMPC0570-SA20HM

The WPMPC0570-SA20HM model is compact platforms without redundant functions, which has been designed for small-sized operator interface applications. It has 5.7" LED backlight LCD which is a cost effective choice for a limited budget. Its RISC kernel, the Samsung 6410 processor consumes minimum power without sacrificing performance. The WPMPC0570-SA20HM has 10/100Base-T Ethernet port and WIFI 802.11 b/g offering solid communication ability and comes bundled with a Windows CE and Linux 2.62 that supports Thin-Client solutions. The built-in Windows CE6.0 and Linux 2.6.24 OS platform lets WPMPC0570-SA20HM become an Open HMI solution for system integration.
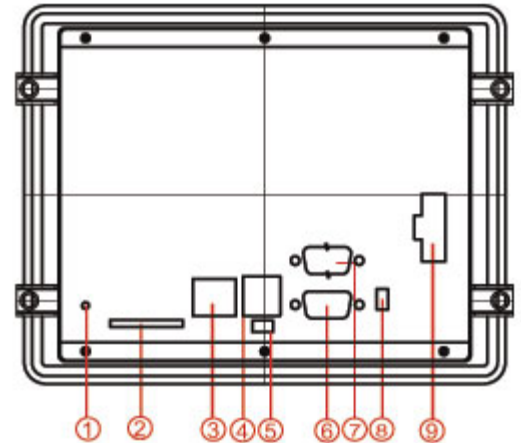
Product Features:

- Samsung-6410 Processor on board
- 5.7" VGA LCD(LED backlight)
- Super slim and compact design with metal housing
- Fanless cooling system
- Built-in NAND flash memory
- One Standard SD card slot

Specifications:

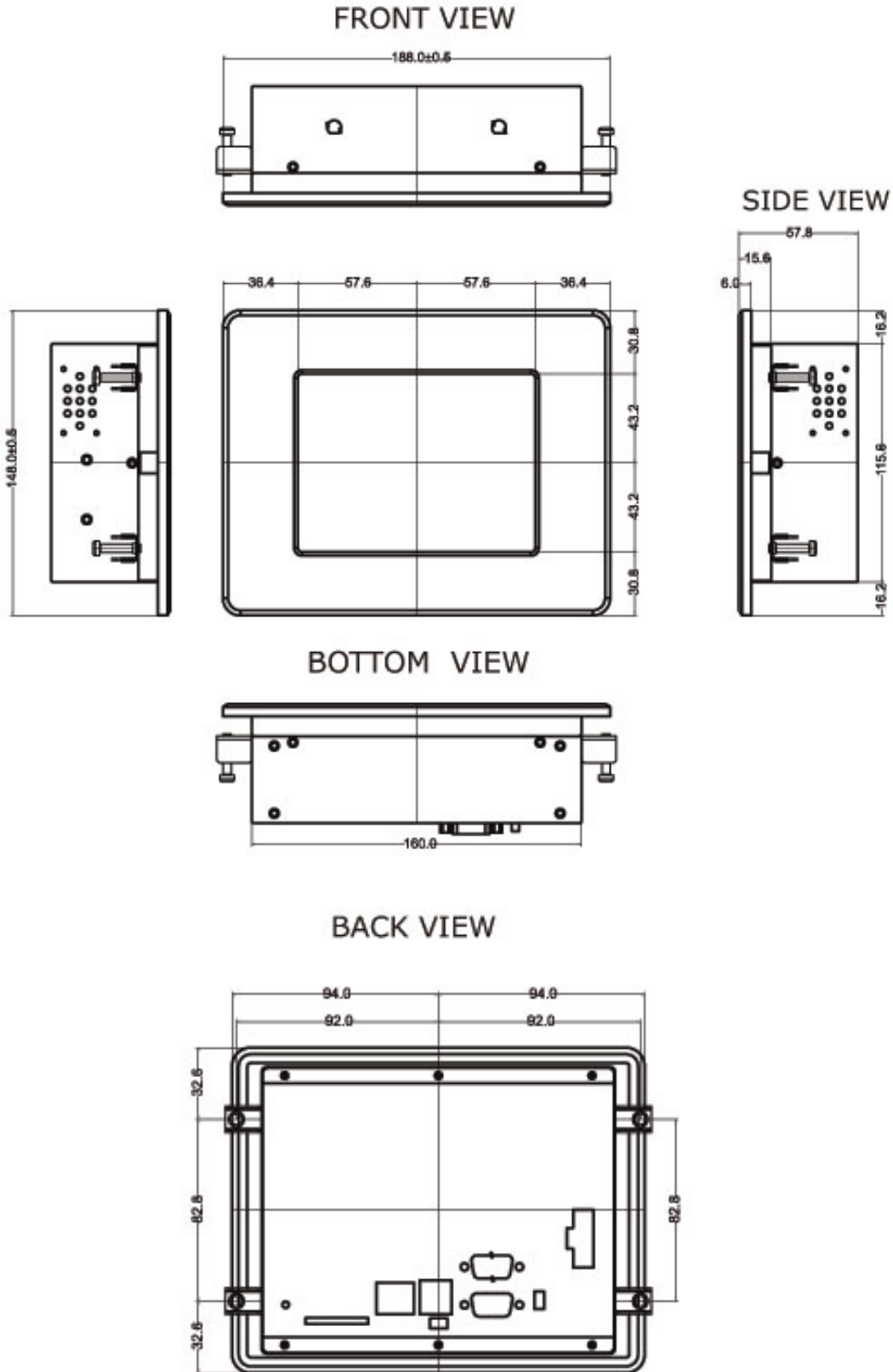| Sytem	
CPU	Onboard SAMSUNG 6410 Processor (667MHz)
System Memory	Onboard DDR-266 128MB
NAND Flash	Onboard 256MB
Expansion Slots	Standard SD card slot
Ethernet	DAVICOM DM9000B
Audio	AC97 Audio(WOLFSON WM9714L)
USB	2 x USB type-A 1.1(Host)
Mini USB	1x Mini USB (Client)
Serial Ports	1 x RS232, 1 x RS232/485
Power Receptor	Screw Type Power Terminal Block
OS Default	Windows CE6.0 EmbedSys ESD OEI CD Core Runtime
Power Consumption	5.85W
Power Input	12V DC in
LCD Display	
Size/Type	5.7"TFT(LED Backlight)
Resolutions	640x480
Luminance (cd/m2)	220 (typ.)
Contrast Ratio	300:1 (typ.)
Viewing Angle (H/V°)	-70~70(H);-40~60(V)
Max Colors	262.144(6bits/color)
Mechanical Specification	
Cooling System	Fanless design
Mounting	Panel Mount (6mm)
Dimension (WxHxD)	188 x 148 x 57.8 mm
Environment Considerations	
Operating Temperature	-10 ~ 60°C
Operating Humidity	30% ~ 90% (non-condesing, RH)
Order Options	
Touch	4 Wires Resistive
OS	Linux 2.6.24

I / O View:

1. Boot from SD card Button
2. SD Card Slot
3. LAN
4. 2 x USB(Host)
5. 1 x Mini USB(Client)
6. RS422/485(Default 485)
7. RS232
8. Power Switch
9. Power Receptor

Dimensions:

FRONT VIEW

SIDE VIEW

BOTTOM VIEW

BACK VIEW

* Measurements shown in mm
* Tolerance of all dimensions is shown as follow 0~30 mm ± 0.1mm,
  30~50 mm ± 0.15 mm, 50~120 mm ± 0.2 mm, above 120 mm ± 0.25 mm
* Note: this is a simplified drawing and some components are not marked in detail.
  Please contact our sales representative if you need further product information.