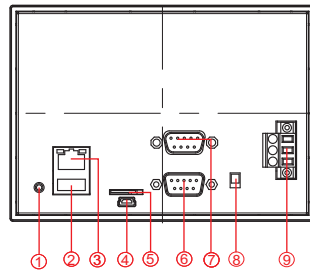


W04SA20-OFH1HM 4.3" Panel PC (ARM-11 Platform)

Mechanical Design



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

Fully Integrated I/O

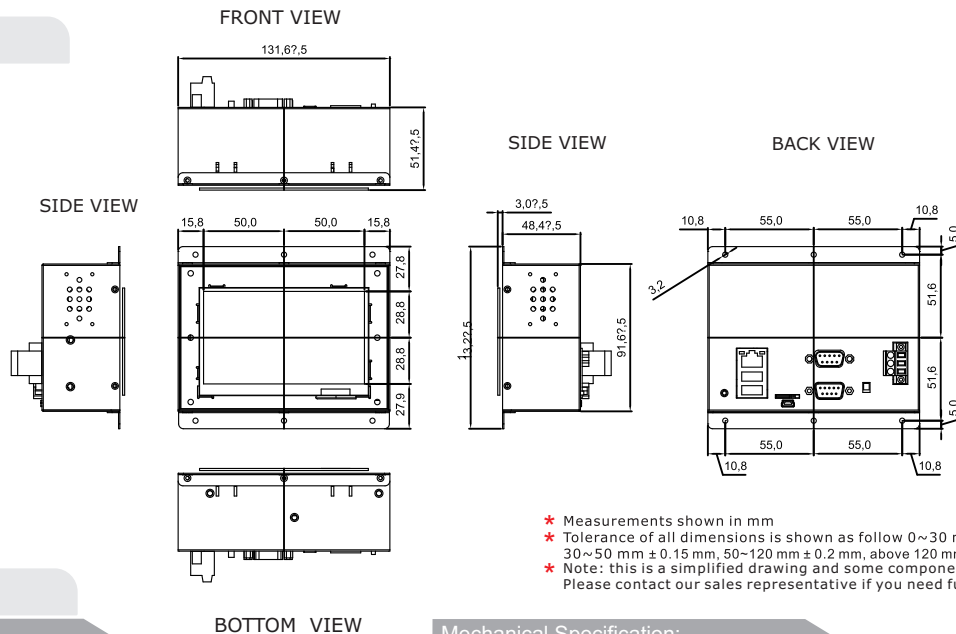
Features

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

Introduction

The W04SA20-OFH1HM model is compact platforms without redundant functions, which has been designed for small-sized operator interface applications. It has 4.3" 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 W04SA20-PMH1HM 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 CE 6.0 and Linux 2.6.24 OS platform lets W04SA20-PMH1HM become an Open HMI solution for system integration.

Dimensions



Specifications

System:

- 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 : 1x 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 : 14W (Max. backlight & Full loading)
- Power Input : 12V DC in

LCD Display:

- Size/Type : 4.3" TFT (LED Backlight)
- Resolutions : 480 x 272
- Luminance (cd/m2) : 500 (typ.)
- Contrast Ratio : 600:1 (typ.)
- Viewing Angle (H/V) : -75~75(H); -60~70(V)
- Colors : 256 gray-scale (8bits)

BOTTOM VIEW

Mechanical Specification:

- Cooling System : Fanless design
- Mounting : Panel Mount (6 mm)
- Dimension (WxHxD) : 146 x 104 x 53.4 mm

Environment Considerations :

- Operating Temperature : -20 ~ 70°C
- Operating Humidity : 30% ~ 90% (non-condensing, RH)

Default :

- Touch : 4 Wires Resistive
- OS : Win CE6.0 Core Runtime

Software Support :

- Linux (Kernel 2.6.32) : QT embedded V4.7 Browser
: Toll Chain
: BSP for 2.6.24
: Uboot
: Example and test program
- Win CE : Eboot
: BSP for 6.0 R2
: SDK



Rev.	Reasons	Revised Date
1.2	Spec change	Jul-01-11
1.3	Spec change	Aug-11-11
1.4	Spec change	Sep-28-11

Note: All Specifications are subject to change without prior notice!

Revised Date:09/28/2011

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