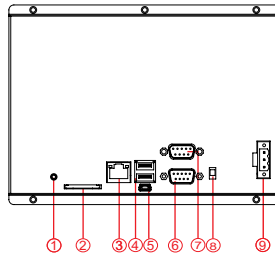
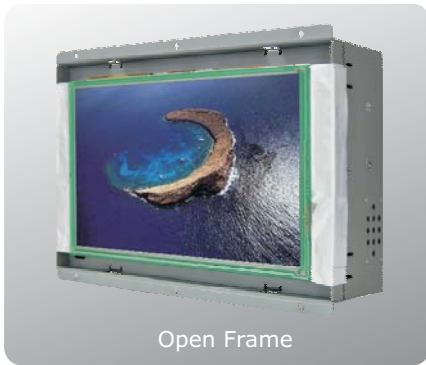


W07SA20-OFA2HM 7" Panel PC (ARM-11 Platform)

Mechanical Design



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

Fully Integrated I/O

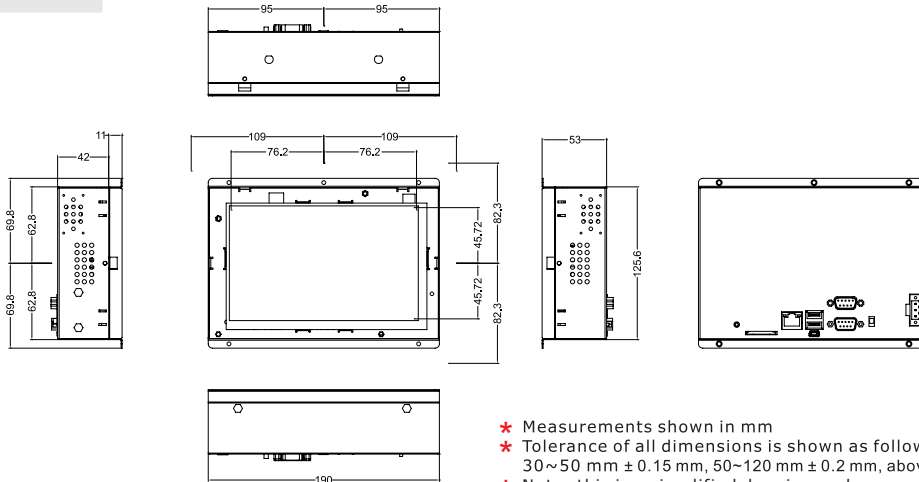
Features

- Samsung-6410 Processor on board
- 7" WVGA LCD
- Super slim and compact design with metal housing
- Fanless cooling system
- Built-in NAND flash memory
- One Standard SD card slot

Introduction

The W07SA20-OFA2HM model is compact platforms without redundant functions, which has been designed for small-sized operator interface applications. It has 7" 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 W07SA20-OFA2HM has 10/100Base-T Ethernet port and WIFI 802.11 b/g offering solid communication ability and comes bundled with a Windows CE 6.0 and Linux 2.624 that supports Thin-Client solutions. The built-in Windows CE6.0 and Linux 2.6.24 platform lets W07SA20-OFD1HM become an Open HMI solution for system integration.

Dimensions



- * 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.

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 : 2 x USB type-A 1.1(Host)
- Mini USB : 1 x 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 : 7"TFT
- Resolutions : 800x480
- Luminance (cd/m2) : 300 (typ.)
- Contrast Ratio : 500:1 (typ.)
- Viewing Angle (H/V) : -70~70(H);-50~70(V)
- Max Colors : 262.144(6bits/color)

Mechanical Specification:

- Cooling System : Fanless design
- Mounting : Panel Mount (6mm)
- Dimension (WxHxD) : 218 x 164 x 58 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
- : Eboot
- Win CE : BSP for 6.0 R2
- : SDK

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

Revised Date:02/24/2012



Rev.	Reasons	Revised Date
1.1	First Release	Feb-24-12