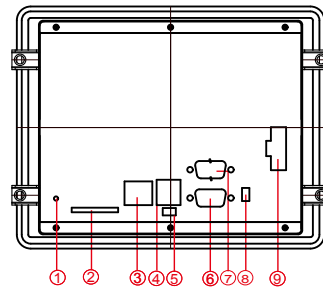


R05SA20-OFD1HM 5.7" Panel PC (ARM-11 Platform)

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

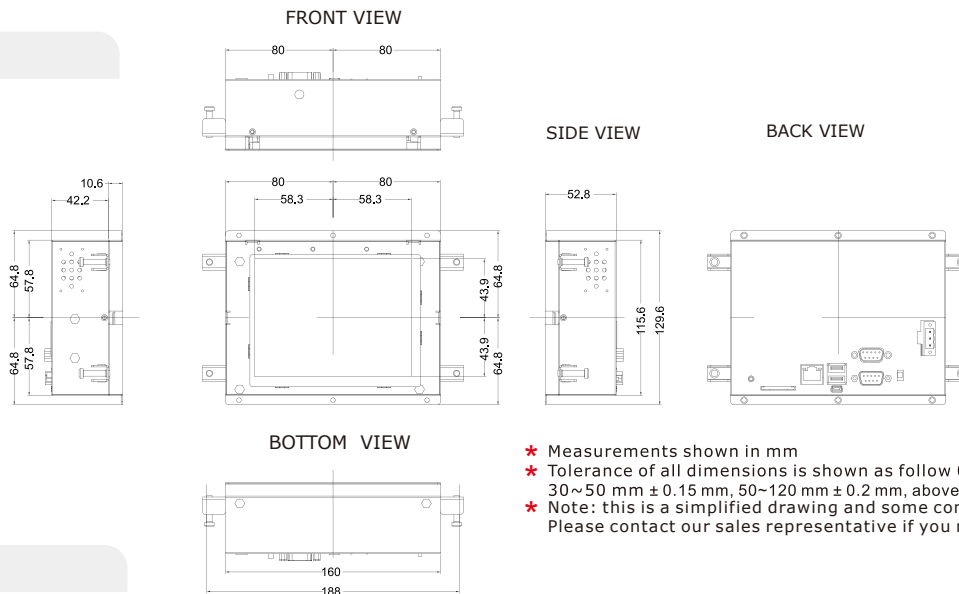
Features

- Samsung-6410 Processor on board
- 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
- Aluminium Front Bezel

Introduction

The R05SA20-OFD1HM 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 R05SA20-OFD1HM 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 R05SA20-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 ± 0.1 mm, 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 : 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) : 400 (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 : -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



Rev.	Reasons	Revised Date
1.0	First release	Oct-15-12

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

Revised Date:02/23/2012

(ES) Equipements Scientifiques SA - Département Modules & Systèmes Informatiques - 127 rue de Buzenval BP 26 - 92380 Garches
Tél. 01 47 95 99 81 - Fax. 01 47 01 16 22 - e-mail: msi@es-france.com - Site Web: www.es-france.com