SPC-64A

6.4" TFT Smart Panel Computer with Intel XScale® CPU and Windows® CE .NET

NEW

Features

- Intel XScale® PXA255 400 MHz CPU and Windows CE .NET OS
- 6.4" color TFT LCD panel and resistive touch screen
- Ultra low power consumption and fanless
- Compact size
- IP65 front bezel
- Can operate without back cover/removable back cover for user
- Bezel-mount model, front bezel is made from aluminum, ideal for outside-in mounting type

Introduction

The SPC-64A integrates the Intel® XScale PXA255 400 MHz processor and Windows® CE .NET 4.2 or Embedded Linux (Embedded Linux will support by project based). It is designed to provide customers with a low power, higher performance embedded display platform with good networking and graphic performance. SPC-64A has a bright VGA (640 x 480) LCD screen and comes with an elegant front aluminium bezel for outside-in mounting.

Specification

System Kernel

CPU	Intel PXA255 400 MHz on board
OS	Windows CE .NET 4.2
SDRAM	64 MB SDRAM on board
Flash	32 MB Flash memory on board
WDT	PXA255 internal
Boot Loader	1 MB AMD Flash ROM for boot loader
RTC	HT1381

Display

LCD	6.4" TFT VGA 640 x 480
Touch Screen	4-wire resistive touch screen
VGA Chip	TVIA 5202G VGA chip with 8 MB SDRAM

I/O

RS-232	1 x full function transceiver level RS-232 by DB-9 connector, 2 x full function transceiver level RS-232 by pin-header inside the case
RS-485	1 x RS-485 by DB-9 connector
RJ-45	1 x 10/100Base-T RJ-45
USB	2 x USB host; 1 x USB client
PCMCIA	1 x PCMCIA slot type II
CF	1 x CF slot type II
Digital I/O	8 DI & 8 DO. Pin header output inside the case. Provide API to access DIO
GPIO	8 GPIO. Pin header output inside the case. Default as hotkey
Audio	1 x Audio line-out jack

Power

V-in Range	DC 10 V ~ 28 V
Protection	Power surge protection Electrical pole reversal protection
SM Bus	For smart battery, pin headers, I2C bus
System Backup Battery	Rechargeable Li-ion battery 65 mAh for RTC
Power Switch	1 power switch
Power Conn	3-pin power connector with screw hole
SW Reset	Execute S/W reset through system configuration
Power Consumption	8 W (Typical power consumption w/ OS running and LCD backlight on)

Mechanical

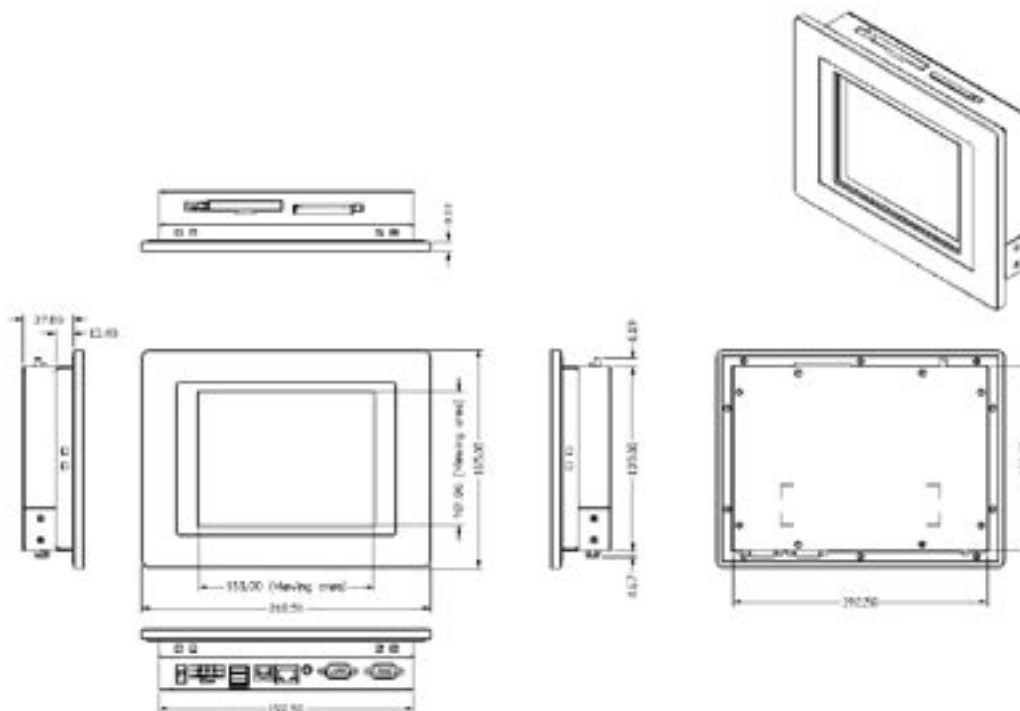|	
Dimension	Box size: 192.5 mm x 139 mm x 37.8 mm Front bezel: 218.5 mm x 165 mm x 8 mm
Material	Front bezel is aluminum, others are made from SPCC
Mounting	SPC-64A can be mounted on walls less than 4mm thick

Environment

Operating Temp	0 ~ 50˚ C
Storage Temp	-20 ~ 60˚ C
Water/Dust Resistance	IP65 front bezel
Certification	CE/FCC/UL

Ordering information

SPC-64A-445CE1	Intel XScale PXA255 400MHz CPU, WindowsCE .NET pre-installed with 6.4" color TFT LCD, resistive touch screen and aluminum front bezel
SPC-POWERSET	60 W power adapter with 3-pin power connector (Customer must purchase power cord separately)

Dimensions

Packing List

- Smart Panel Computer
- Windows CE .NET end user license agreement (Windows CE .NET version)
- CD-ROM
  1) Readme.txt
  2) User's manual
  3) Data Sheet
  4) Upgrade utility
  5) Microsoft ActiveSync Version 3.7 installation files (Windows CE .NET)
  6) Windows CE .NET 4.2 platforms SDK (Windows CE .NET)
- Warranty Card
- 1 x USB client ActiveSync cable
- 3-pin power connector with screw hole