SPC-100A

10.4" TFT Smart Panel Computer with Intel XScale® CPU and Windows® CE .NET 4.2

NEW

Features

- SPC-100 offers a high graphic and networking performance platform
- Intel XScale® CPU IXP420 266/533 MHz optional, IXP420 533 MHz as default
- OS-Ready for Windows® CE .NET 4.2
- 10.4" TFT LCD Panel with resistive touch screen
- High networking performance, wire-speed packet processing performance
- Comprehensive I/O interface with Ethernet, USB, RS-232, Audio, Video-in (Optional). Also integrated Mini-PCI interface and antenna for WLAN device
- Bezel-mount model: Ideal design for outside-in mounting type
- IP65 approved for front bezel

Introduction

The SPC-100 series integrates Intel's RISC XScale IXP420-533 MHz processor and Windows CE .NET 4.2. It is designed to provide customers with a high computing power embedded display platform with good networking and graphic performance. Each Panel Computer incorporates a high-performance Intel XScale core with additional Network Processor Engines (NPEs) to achieve wire-speed packet processing performance. The SPC-100 series also integrates the SMI501 graphic controller to provide good graphic capabilities for multimedia applications.

Specification

System Kernel

CPU	Intel IXP-420 533 MHz on board
OS	Windows CE .NET 4.2 professional plus
SDRAM	64 MB SDRAM on board
Flash	32 MB Flash memory on board
WDT	IXP420 internal
Boot Loader	1 MB AMD Flash ROM for boot loader
System Control	HW reset
RTC	HT1381, backup by internal backup battery

Display

LCD	AUO 10.4" TFT LCD SVGA 800 x 600
Touch Screen	4-wire resistive touch screen as default, 5-wire resistive touch screen is optional
VGA Chip	SMI 501 VGA chip with 8 MB VRAM

I/O

Mini PCI	1 x Mini PCI slot
RS-232	2 x full function transceiver level RS-232 by DB-9 connector.1 x 4-wire transceiver level RS-232 by DB-9 connector.1 x 4-wire transceiver level RS-232 by pin-header inside the case
RJ-45	1 x 10/100Base-T RJ-45
USB	4 x USB 1.1 host
PCMCIA	1 x PCMCIA slot type II
Video-in	TV-in function is optional
Audio	1 x Audio line-out jack; speaker out pin header inside case

Power

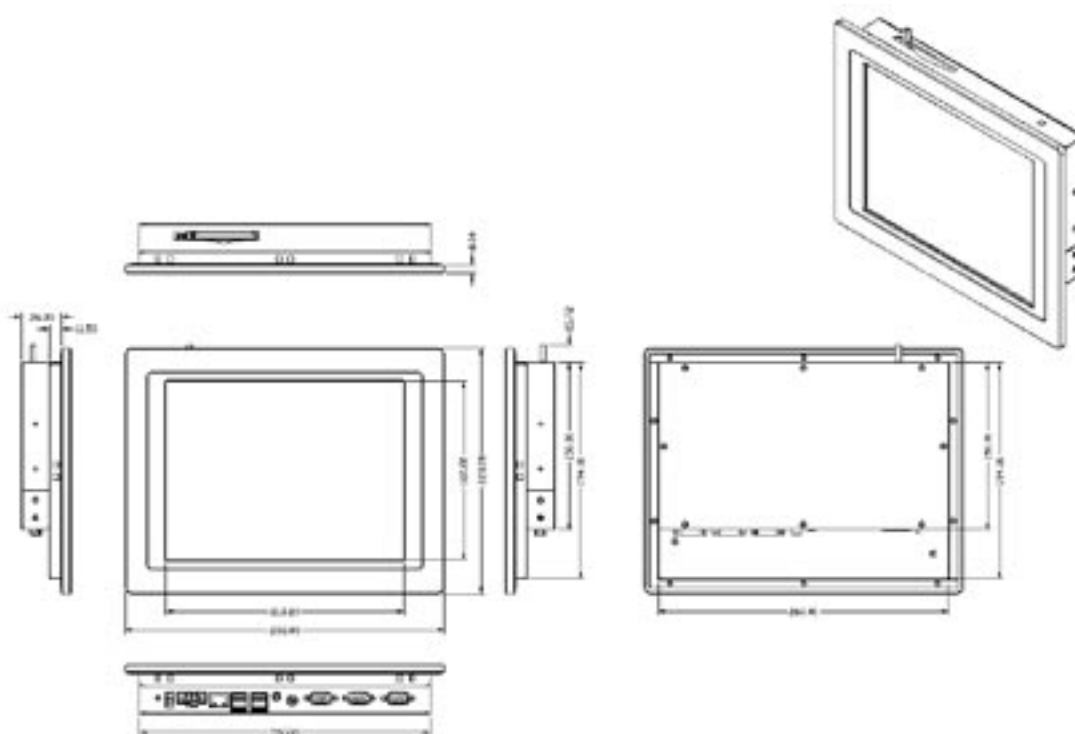|	
V-in Range	DC 10V ~ 28V
Protection	Power surge protection, Electrical pole reversal protection
System Backup Battery	Rechargeable Li-ion battery 65 mAh support system SDRAM and RTC
Power Switch	1 x power switch
Power Connector	3-pin power connector with screw hole
Power Consumption	10.4 W (Typical power consumption w/ OS running and LCD backlight on)

Mechanical

Material	Front bezel is aluminum, others are made from SPCC
Mounting	SPC-100A 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

Dimensions

Ordering Information

- **SPC-100A-545CE1**   Intel XScale® CPU IXP420 533 MHz CPU, Windows CE .NET 4.2 professional plus pre-installed with aluminum front-bezel ,10.4" color TFT LCD, and resistive touch screen SPC. (Bezel-mount Model)
- **SPC-POWERSET**   60 W power adapter with 3-Pin power connector (Customer must purchase power cord separately)

Packing List

- Smart Panel Computer
- Windows CE.NET end user license agreement (for 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