

# SPC-100C

## 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
- Open-frame model: ideal design for inside-out mounting type
- IP65-approved front bezel

### Introduction

The SPC-100 Series integrates the Intel XScale RISC 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** 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)

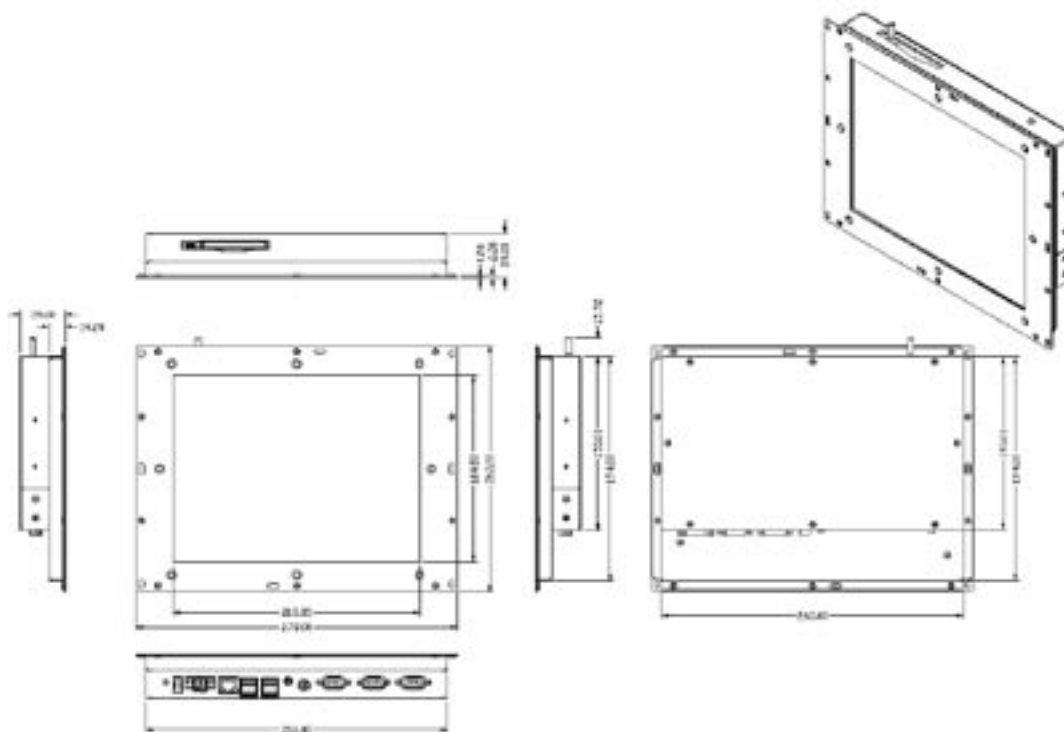
#### Mechanical

- **Material** Open-Frame model: All made from SPCC

#### 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-100C-545CE1** Intel XScale CPU IXP420 533 MHz CPU, Windows CE .NET 4.2 professional plus pre-installed, 10.4" color TFT LCD, and resistive touch screen SPC. (Open-frame 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