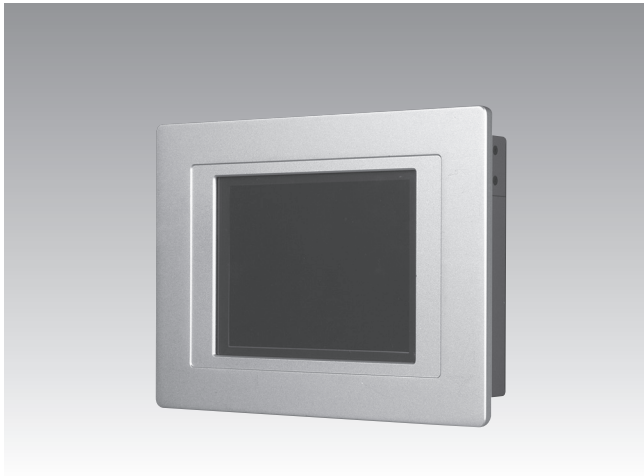# SPC-65A

6.4" Facility Control Panel

Features

- Intel XScale® PXA270 CPU and Microsoft Windows® CE 5.0
- 6.4" color TFT LCD panel and resistive touchscreen
- Compact size with COM, USB, LAN, CF, and audio interfaces
- IP65 front bezel
- Bezel-mount model, front bezel is made from aluminum, ideal for outside-in mounting
- Adobe Flash Player & Java Virtual Machine (JVM) as options

Introduction

The SPC-65A integrates the Intel XScale PXA270 CPU and Windows CE 5.0. It is designed to provide customers with a low power, high performance embedded display platform with good networking and graphic performance. SPC-65A has a bright VGA (640 x 480) LCD screen and comes with an elegant front aluminum bezel for outside-in mounting. SPC series supports the Adobe Flash Player and Java Virtual Machine (JVM) by project base. Colorful GUIs are easy to develop using Adobe Flash and Java.

Specifications

System Kernel

CPU	Intel PXA270 312 MHz (520 MHz as option)
OS	WinCE 5.0 core Eng. version
SDRAM	64 MB
Boot Flash	1 MB NOR flash for bootloader
Storage Flash	128 MB for image and customer AP
WDT	PXA270 Internal
RTC	HT1381 backup by 65 mAh rechargeable coin battery

Display

LCD	6.4" Primeview 18-bit TFT 640 x 480
Touchscreen	Resistive type
Graphics Chip	PXA270 internal

I/O

COM	COM1: RS-232 by DB-9 conn.
	COM2: RS-485/232/422 by phoenix conn. default is RS-485. (S/W configurable)
Ethernet	1 x 10/100Base-T by RJ-45
USB	1 x USB 1.1 host by type A conn.
SD/MMC	1 x standard slot (support memory and I/O mode)
CompactFlash	1 x type II slot (support memory and I/O mode)
Audio	Mic-in, line-in, line-out & speaker-out by expansion conn.
Expansion Conn.	50 pin box headers with: SMbus, Mic-in, line-in, line-out, 2 wires RS-232, 1 x USB 1.1 host, 4 TTL level DI, 4 TTL level DO and 8 TTL level hotkey

Power

DC Input	10 ~ 28 V DC with internal fuse protection via phoenix conn.
Power Switch	Slide type
Power Consumption	6 W (normal mode w/o peripherals connected)
Power Management	Support normal mode and idle mode (turns off the LCD power system)

Mechanical

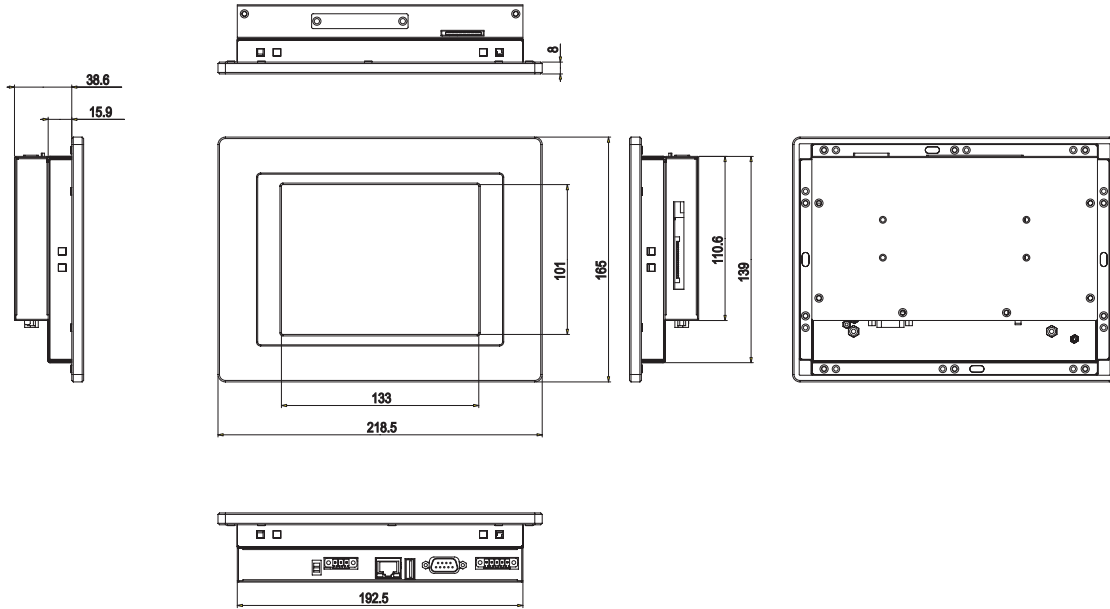|	
Material	Front bezel is aluminum, others are made from SPCC
Mounting	Outside-in panel mount

Environmental

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

GUI Firmware

- **Adobe Flash Player 7.0 support (project base)**
- **Java Virtual Machine support (project base)**

ADVANTECH

Dimensions

Unit: mm

Packing List

- SPC-65A
- Windows CE 5.0 end user license agreement (Windows CE 5.0 version)
- CD-ROM
  1) Readme.txt, User Manual, and Datasheet
  2) Upgrade utility
  3) Windows CE platforms SDK (Windows CE 5.0)
- Warranty Card
- 3-pin power connector

Ordering Information

- **SPC-65A-347CE1E**   Intel XScale PXA270 312 MHz CPU, Win CE 5.0 pre-installed with 6.4" color TFT LCD, resistive touchscreen and aluminum front bezel

- **SPC-POWERSET**   60 W power adapter with 3-pin power connector (Doesn't include a power cord; customers must purchase a power cord separately)

I/O Diagram