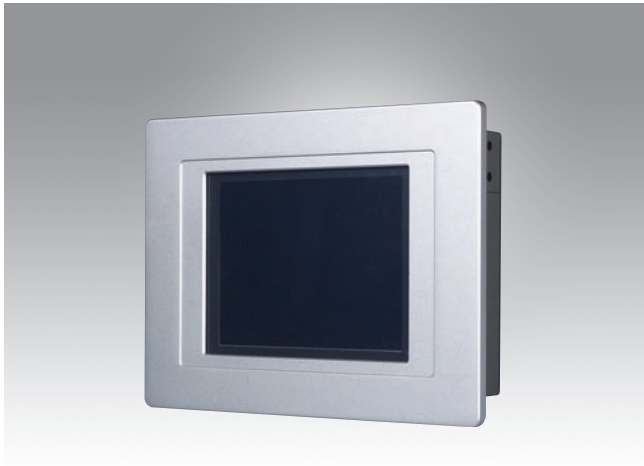# SPC-65A/65C

6.4" RISC based Panel PC

Features

- Marvell 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 Marvell 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 graphical performance. SPC-65A has a bright VGA (640 x 480) LCD screen and comes with an elegant front aluminum bezel for outside-in mounting. The SPC series supports the Adobe Flash Player and Java Virtual Machine (JVM) in the project base. Colorful GUIs are easy to develop using Adobe Flash and Java.
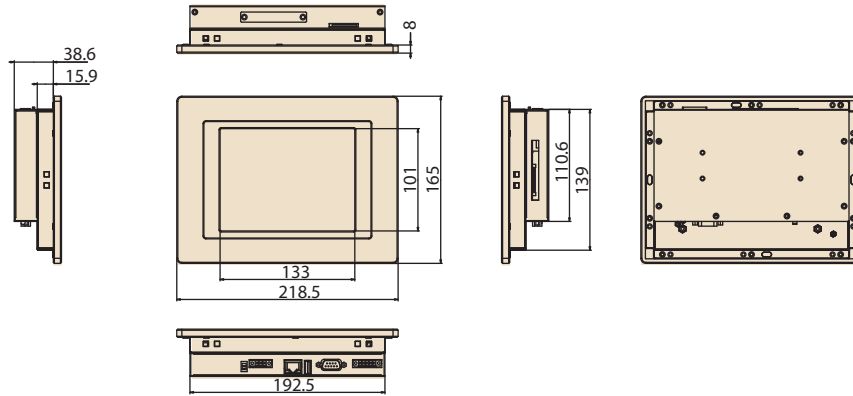
Specifications

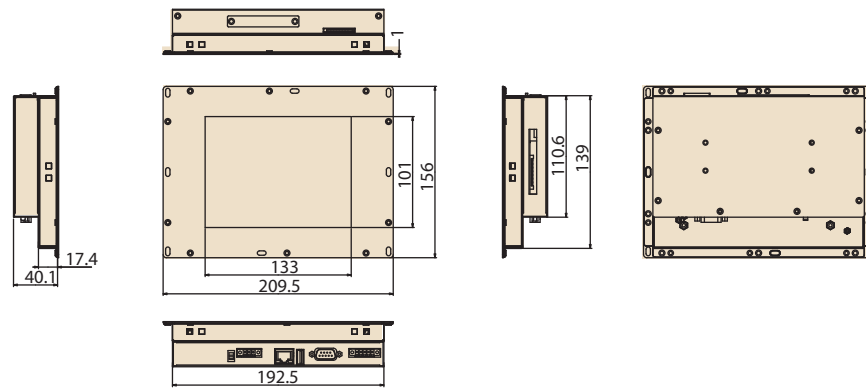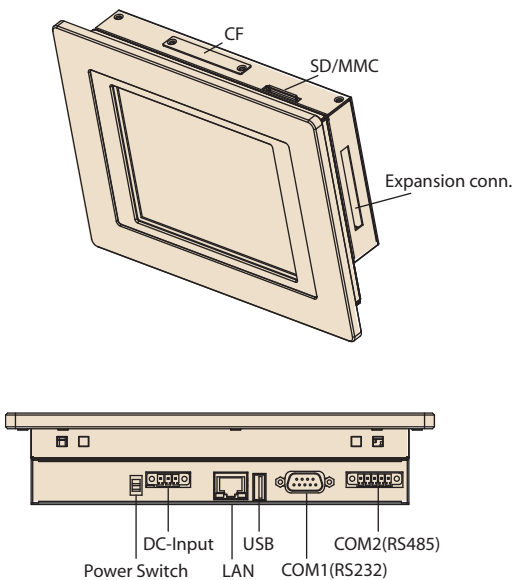|		
System Kernel	CPU	Marvell PXA270 312 MHz (520 MHz as option)
	OS	WinCE 5.0 Professional English version
	SDRAM	64 MB
	Boot Flash	1 MB NOR flash for bootloader
	Storage Flash	128/256 MB for image and customer AP
	WDT	PXA270 Internal
	RTC	HT1381 backup by 65 mAh rechargeable coin battery
Display	LCD	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-wire RS-232, 1 x USB 1.1 host, 4 x TTL-level DI, 4 x TTL-level DO
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	Supports 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 Temperature	0 ~ 50° C (32 ~ 122° F)
	Storage Temperature	-20 ~ 60° C (-4 ~ 140° F)
	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)

Dimensions

SPC-65A

Unit: mm (inch)

38.6
15.9
8
101
165
133
218.5
110.6
139
192.5

SPC-65C

1
101
156
133
209.5
17.4
40.1
110.6
139
192.5

I/O Diagram

CF
SD/MMC
Expansion conn.

DC-Input
USB
COM2(RS485)
Power Switch
LAN
COM1(RS232)

Ordering Information

Part Number	Description
SPC-65A-347CE1E	Marvell XScale PXA270 312 MHz CPU, Win CE 5.0 pre-installed with 6.4" color TFT LCD, resistive touchscreen and aluminum front bezel
SPC-65C-347CE1E	Same product specification as SPC65A, but without front bezel
SPC-POWERSET	60 W power adapter with 3-pin power connector (A power cord must be purchased separately)

Packing List

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