

SPC-58A

5.6" Facility Control Panel



Features

- Intel XScale® PXA270 CPU and Microsoft Windows® CE 5.0
- 5.6" color TFT LCD panel and resistive touchscreen
- Ultra low power consumption and fanless
- Compact size with COM, USB, LAN, CF, and audio interfaces
- IP65 front bezel
- Front-bezel model: ideal design for outside-in mounting
- Adobe® Flash Player & Java Virtual Machine (JVM) as options

Introduction

The SPC-58A integrates the Intel XScale PXA270 CPU and Windows CE 5.0. It is designed to provide customers with a compact, low power, high performance embedded touch control platform with good networking and graphic performance. SPC-58A has a bright 320 x 234 LCD screen and an elegant aluminum front bezel that is ideal 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** 5.6" 18-bit color 320 x 234 TFT
- **Brightness** 500 nits (S/W adjustable)
- **Touchscreen** 4-wire resistive
- **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** 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

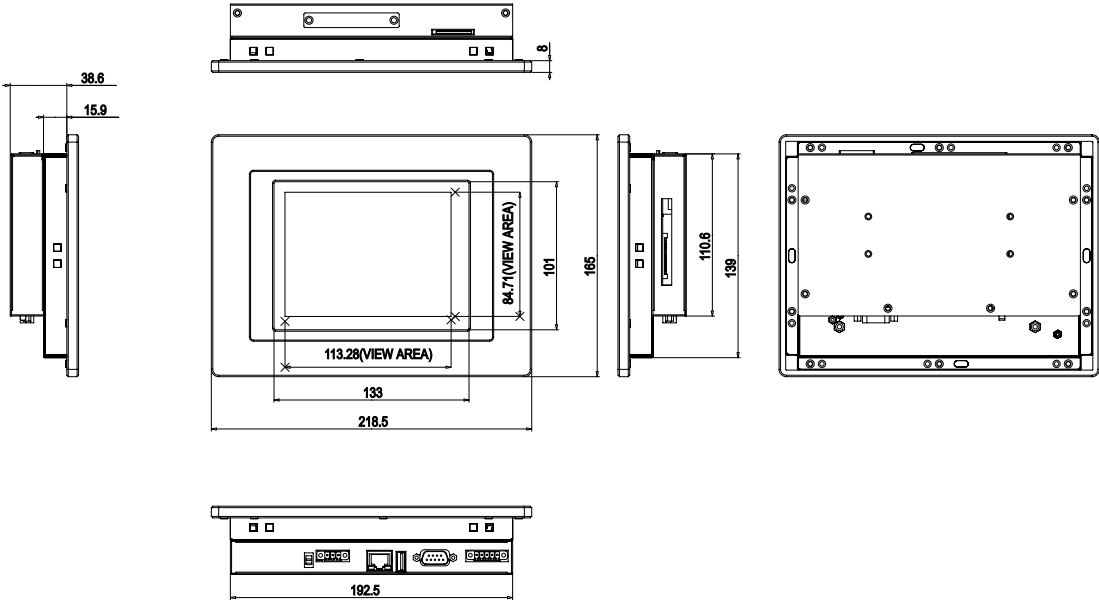
- **Operating Temp** 0 ~ 50° C
- **Storage Temp** -20 ~ 60° C
- **Water/Dust Resistance** IP65 front bezel
- **Certifications** CE/FCC/UL

GUI Firmware

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

Dimensions

Unit: mm



Ordering Information

Part Number	Description
SPC-58A-347CE1E	Intel XScale PXA270 312 MHz CPU, WinCE 5.0 pre-installed with 5.6" color TFT LCD, resistive touch screen and aluminum front bezel

Packing List

Description	Quantity
SPC-58A	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 (for Windows CE 5.0)	1
Warranty Card	1
Phoenix power connector	1

I/O Diagram

