

## STP-057 Windows CE touch panel Computer with 5.7" QVGA STN display



### Features

- 5.7+QVGA STN LCD
- CIRRUS LOGIC® EP9315 200MHz ARM920T core processor
- Fan-less cooling system
- Built-in flash memory and Windows CE .NET 4.2 OS inside
- NEMA4/IP65 compliant front panel
- One CompactFlash slot

### Introduction

The STP-057 is a miniature and compact platform that has no redundant functions. Its RISC kernel, the CIRRUS LOGIC EP9315 200MHz processor design with a memory management unit (MMU), that supports Windows CE. The ARM920T's 32-bit microcontroller architecture, with a five-stage pipeline, delivers impressive performance at very low power.

The EP9315 includes a hardware graphics acceleration engine that improves graphic performance by handling block copy; block fill and hardware line draw operations. The graphics accelerator is used in the system to off load graphics operations from the processor.

### Specifications

- **Construction:** plastic molding housing
- **Display:** 5.7" QVGA Color STN LCD
- **CPU and core logic:** CIRRUS LOGIC® EP9315 200MHz ARM920T core processor
- **DRAM:** 64 MB on board
- **Storage:** 32 MB flash memory on board,
  - 1 CompactFlash card slot,
- **I/O:** 3 serial ports:
  - Com1: RS-232/RS-485 2w/4w,
  - Com2: RS-232,
  - 1 Ethernet port (10/100Base-T)
  - 2 USB 2.0
- **Sound output:** AC '97 interface
- **RTC:** Built-in
- **Power input:** 24 VDC, 1A maximum
- **imension (W x H x D)** 231 x 176 x 48mm (8.2 x 6.9 x 1.9")
- **Weight:** 0.85kg (2.5 Lbs.)

### Performance

### LCD Display

Display type	STN color LCD
Display size (diagonal)	5.7"
Max colors	4096
Resolution	320 X 240
Pixel pitch (HxV, mm)	0.36 x 0.36
Viewing angle (°)	100 (Upper+Lower), 120 (Left+Right)
Luminance (cd/m <sup>2</sup> )	150
Storage temperature (°C)	20~60
Operating temperature (°C)	0~45
Backlight	1 CCFLs
Contrast ratio	30:1

### Touchscreen

- **Type:** 4-wire, analog resistive
- **Resolution:** continuous
- **Light transmission:** above 80%
- **Life:** 1 million activation minimal

### Environmental Specifications

- **Operating temperature:** 0° ~ 45°C (32° ~ 113°F)
- **Relative humidity:** 10% ~ 90% @ 40°C, non-condensing
- **Shock (operation):** 10 to 25Hz(X,Y,Z direction) 2G 30minutes)
- **EMI:** Complies with FCC Class A
- **CE :** Complies with EN50081-2 and EN50082-2 standards
- **Front panel meets NEMA4 / IP65**



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CPU	Intel XScale 200MHz	CIRRUS LOGIC EP9135
Integer	472	622
Float	35	57
Draw	120	204
Window	56	257
Memory	462	680
Total	220	364