



Features

- 5.7" QVGASTN LCD
- CIRRUS LOGIC[®] EP9315 200MHz ARM920T core processor
- Fan-less cooling system
- Built-in flash memory and Windows CE OS inside
- NEMA4/IP65 compliant front panel
- One CompactFlash[™] slot

Introduction

The MT660S is a miniature and compact platform that has no redundant functions. It is designed for small-size operator interface market. Its RISC kernel, the CIRRUS LOGIC EP9135 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 offload 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:** 64MB on board
- **Storage:** 32MB flash memory on board,
1 CompactFlash[™] card slot,
- **I/O:** 3 serial ports:
Com1: RS-232/RS-485 2w/4w,
Com2: RS-232,
Com3: RS-232/RS-485 2w
1 Ethernet port (10/100 Base-T)
2 USB 2.0 full-speed host (12Mbps)
- **Sound output:** AC'97 interface
- **RTC:** Built-in
- **Power input:** 24V_{DC}, 0.5A maximum
- **Dimension (WxHxD):** 204x150x48mm
- **Weight:** 0.85kg

LCDDisplay

Display type	STN color LCD
Display size (diagonal)	5.7"
Resolution	320x240
Pixel pitch (HxV, mm)	0.36x0.36
Viewing angle (°)	100
Luminance (cd/m ²)	150
Storage temperature (°C)	-20~60
Operating temperature (°C)	0~45
Backlight	1 CCFL
Contrast ratio	30:1

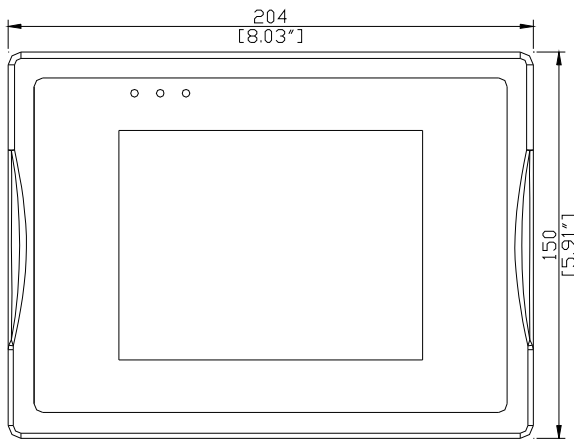
Touchscreen

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

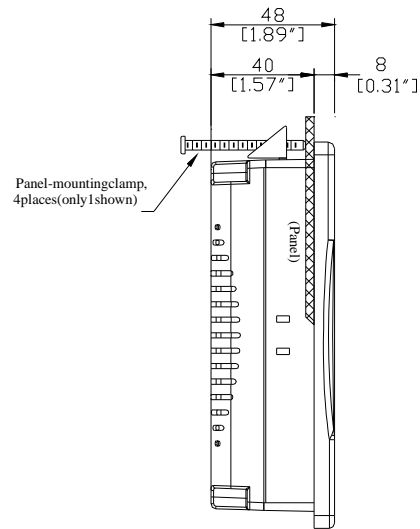
Environmental Specifications

- **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 30 minutes
- **EMI:** Complies with FCC Class A
- **CE:** Complies with EN50081-2 and EN50082-2 standards
- **Front panel meets NEMA4/IP65**

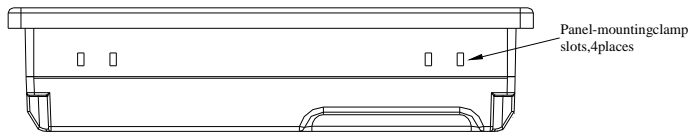
DimensionsDrawing



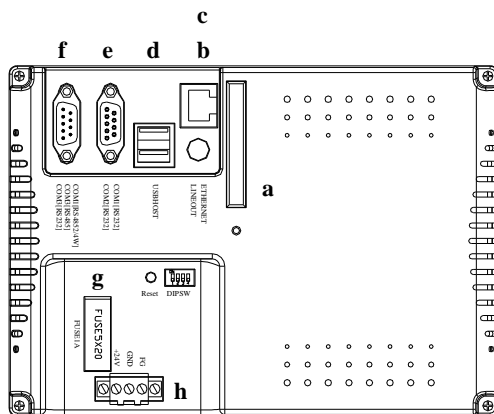
Front View



Side View



Bottom View



Rear View

- | | |
|------------------------|-------------------------|
| a. CompactFlash™ slot | e. Com1[232], Com2[232] |
| b. Soundports | f. Com2[232]&Com3[485] |
| c. Ethernetport(RJ-45) | g. Fuse |
| d. USBHost | h. Powerconnector |

OrderingInformation

NP-660S:
5.7"STNLCDDisplaytouchpanelcomputerwithEP93 15
200MHzARM920Tprocessor,32MBflashmemory/64MB
DRAMonboardandWindowsCE.netEnglishOS.