

# NP-880S

## 8" VGA TOUCH PANEL SYSTEM WITH CE 5.0



Landscape Mode



Portrait Mode

### INTRODUCTION

The NP-880S is a miniature and compact platform that is designed for small-sized operator interface market. It has an 8" TFT VGA LCD display that offers a cost effective and powerful choice. At its foundation is 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 NP-880S has a 10/100 Base-T Ethernet port for responsive open communications. The NP-880S integrates Windows CE 5.0 .NET Compact Framework 2.0, which expands its capabilities with vast embedded tools. Windows CE 5.0 features real time capabilities, Pocket I.E , RDP, and custom programming with Visual Studio and C++.

### FEATURES

- 8" LCD Display
- Analog Resistive Touch Screen
- NEMA 4 Front Panel
- CIRRUS LOGIC EP9315 200MHz
- 1 Ethernet port
- 3 Serial ports
- 3 USB Client port
- Fan-less construction
- 1 Compact Flash slot
- 144-pin IDE DOM interface

### CE 5.0 FEATURES

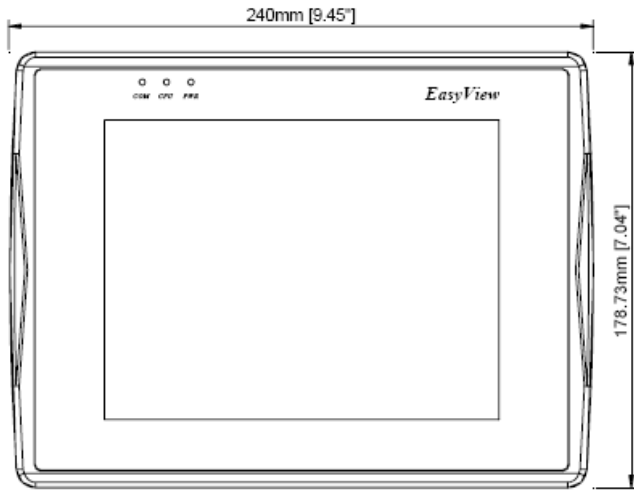
- Pocket Internet Explorer
- Real-time processing with 256 priority levels and nested interrupt support
- RDP Thin Client
- .NET Compact Framework 2.0
- XML Web Services, SOAP, and WSDL
- Application programming with Microsoft Visual Studio 2005.

### SPECIFICATIONS

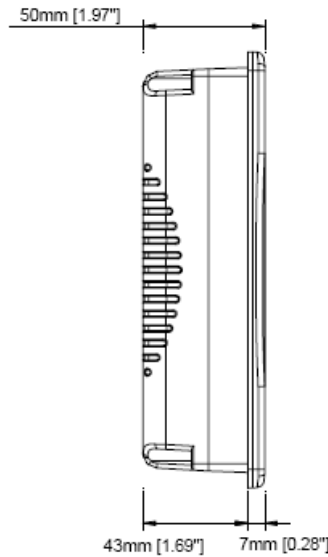
- Display: 8" VGA Color TFT LCD
- Resolution: 640 X 480
- Luminance: 400 cd/m<sup>2</sup>
- Contrast ratio: 250:1
- CIRRUS LOGIC EP9315 200MHz processor 64 MB RAM
- 32 MB ROM
- 1 Compact Flash slot for application storage
- 3 serial ports (2-RS232, 1-RS485 2W/4W)
- 3 USB port
- 1 Ethernet port (10/100 Base-T)
- 20 bit sound output/Microphone Input
- 44-pin IDE DOM interface.
- NEMA4 / IP65 Front Panel
- Power input: 24 VDC, 0.5A maximum
- Dimensions: (W x H x D): 231 x 176 x 55mm (9.1" X 6.9" X 2.2")
- Weight: 1.2kg (2.6 lbs.)
- Operating temp: 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)
- Approvals: FCC, CE, UL (pending)

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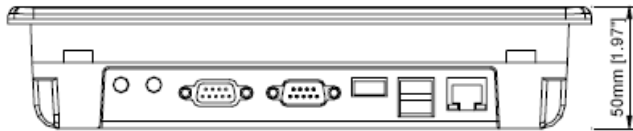
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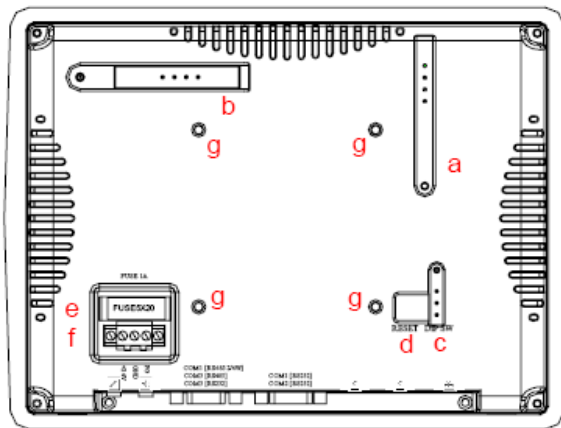
Front View



Side View

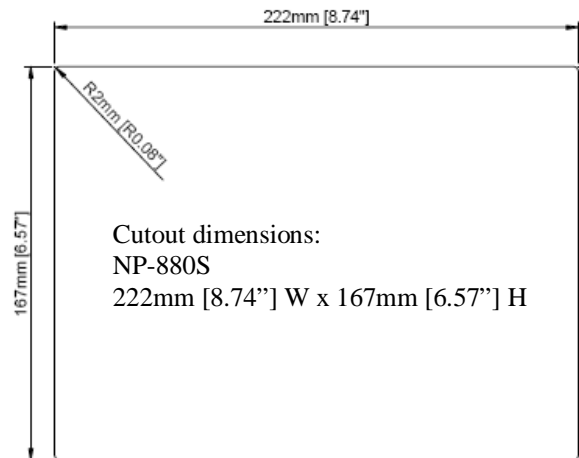


Bottom View



l m k j i i h

Rear View



a. CompactFlash™ slot	h. Ethernet port
b. 44pin IDE Interface	i. USB Host
c. DIP Switch	j. Com1 [RS-232]
d. Reset button	Com2 [RS-232]
e. Fuse	k. Com1 [RS-485 4/2w]
f. Power terminal	Com3 [RS232]/[RS485]
g. VESA 75mm screw holes	l. Mic In
	m. Line Out