

NP-612S

12.1" SVGA TOUCH PANEL SYSTEM WITH CE 5.0



INTRODUCTION

The NP-612S is a miniature and compact platform that is designed for small-sized operator interface market. It has a 12.1" TFT SVGA LCD display that offers a cost effective and powerful choice. At its foundation is a 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 NP-612S has a 10/100 Base-T Ethernet port for responsive open communications. The NP-612S integrates Windows CE 5.0 (CE.NET) which expands its capabilities with vast embedded tools. Windows CE 5.0 features real time capabilities, I.E. 6, RDP, and custom programming with Visual Studio 2005.

FEATURES

- 12.1" LCD Display
- Analog resistive touch screen
- NEMA 4 Front Panel
- CIRRUS LOGIC EP9135 processor
- 44-pin IDE Interface (DOM)
- 1 Ethernet port
- 3 Serial ports
- 3 USB ports (12Mbps) Full Speed
- Fan-less construction
- 1 Compact Flash slot
- Platform SDK

CE 5.0 (CE.NET) FEATURES

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

SPECIFICATIONS

- Display: 12.1" SVGA Color TFT LCD
- Resolution: 800 X 600
- Luminance: 250 cd/m²
- Contrast ratio: 200:1
- 200 MHz. CIRRUS LOGIC EP9135
- 64 MB RAM
- 32 MB ROM
- 44-pin IDE Interface (Disk-On-Module)
- 1 Compact Flash slot for application storage
- 3 serial ports (2-RS232, 1-RS485 2W/4W)
- 3 USB ports
- 1 Ethernet port (10 Base-T)
- 16 bit sound output
- Built in RTC
- NEMA4 / IP65 Front Panel
- Power input: 24 VDC, 0.5A maximum
- Dimensions: (W x H x D): 303 x 240 x 55mm (11.93" X 9.2" X 1.99")
- Weight: 3 kg (6.6 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)