

Robust, Feature-Rich Software Suite

Eliminating the need to negotiate the intricacies of Transmission Control Protocol (TCP) or Internet Protocol (IP), XPort incorporates:

- Robust Real Time Operating System (RTOS)
- Full-featured network protocol stack
- Built-in web server for device communication and configuration via a standard browser

The Windows-based DeviceInstaller™ makes configuring one or more XPorts in a subnet quick and easy.

- Install and configure XPort and load firmware
- Assign IP & other network specific addresses
- Load custom web pages and view specific device data
- Enable web-based configuration of the device
- Ping or query the attached device(s) over the network
- Allow Telnet communication with the device(s)

Features and Specifications

> Serial Interface

- Interface: CMOS (Asynchronous, 5V tolerant)
- Data Rates: 300 bps to 921,600 bps
- Characters: 7 or 8 data bits
- Parity: odd, even, none
- Stop Bits: 1 or 2
- Control Signals: DTR/DCD, CTS, RTS
- Flow Control: XON/XOFF, RTS/CTS
- Programmable I/O: 3 PIO pins (software selectable)

> Network Interface

- Interface: Ethernet 10Base-T or 100Base-TX (Auto-Sensing)
- Connector: RJ45
- Protocols: TCP/IP, UDP/IP, ARP, ICMP, SNMP, TFTP, Telnet, DHCP, BOOTP, HTTP and AutoIP

> Indicators (LED)

- 10Base-T connection
- 100Base-TX connection
- Link & activity indicator - Full/half duplex

> Management

- SNMP, Telnet, serial, internal Web server, and Microsoft Windows®-based utility for configuration

> Security

- Password protection
- Optional 256-bit AES Rijndael encryption

> Internal Web Server

- Storage capacity: 384 KB for web pages

> Architecture

- CPU: Based on the DSTni-EX enhanced 16-bit, 48MHz or 88MHz x86 architecture
- Memory: 256 KB SRAM and 512 KB Flash
- Firmware: upgradeable via TFTP and serially

> Power

- Input voltage: 3.3 VDC

> Environmental

- Extended Temp: -40° to 85°C (-40° to 185°F)
- Storage: -40° to 85°C (-40° to 185°F)

> Packaging

- Dimensions: 33.9 x 16.25 x 13.5 mm (1.33 x .64 x .53 in)
- Weight: 9.6 g (0.34 oz)

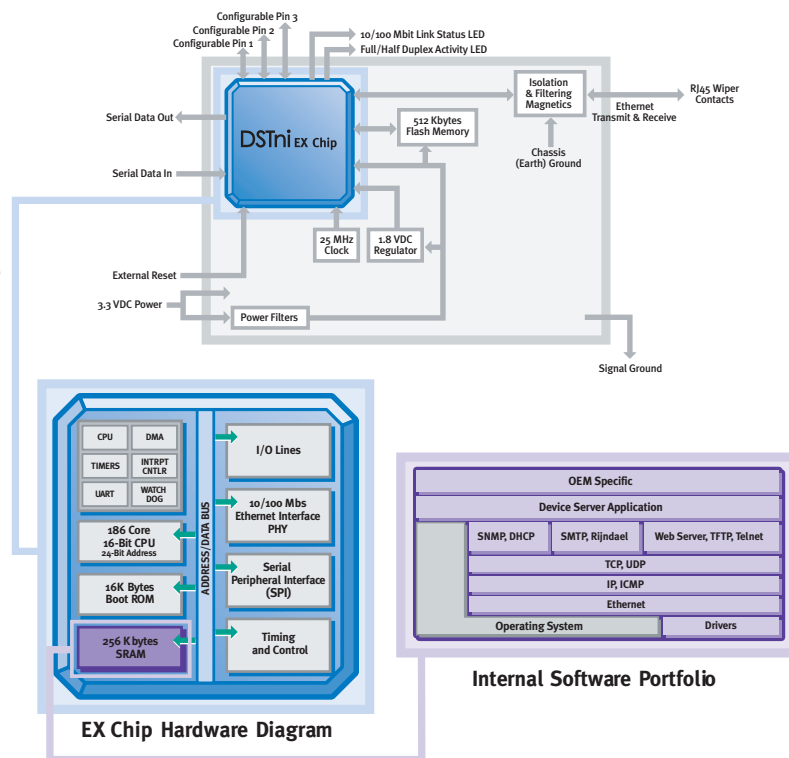
> Warranty

- 2-year limited warranty

> Included Software

- MS Windows-based DeviceInstaller software and MS Windows-based Com Port Redirector

XPort Hardware and Software



Ordering Information

> Part Number

XP1001000-05R

XP1001000M-05R

XP1002000-05R

XP100200S-05R

XP10010NMK-01

> Description

XPort XE Min. Quantity: 50 Units

XPort RoHS Extended Temperature, without Encryption
XPort XE RoHS Extended Temperature, with MODBUS, without Encryption

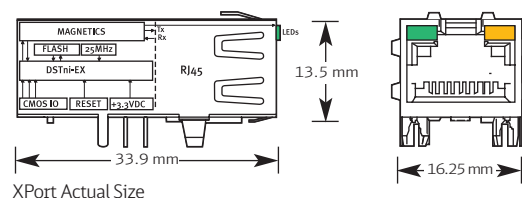
XPort SE Min. Quantity: 50 Units

XPort RoHS Extended Temperature, with Encryption
XPort RoHS Extended Temperature, with Encryption - Sample
XPort Evaluation Kit, with Encryption

XPort Evaluation Kit

The XPort Evaluation Kit includes everything you need to integrate the XPort into your next product design, including:

- An XPort Evaluation Board and reference design including CAD PCB files and complete BOM
- Universal AC power adapter
- Network (CAT5) and serial cable
- Connector adapter



XPort Actual Size



EVOLUTION OS