PremierWave® XC

HIGH PERFORMANCE, GPRS, LINUX-BASED APPLICATION/DEVICE SERVER

A high performance, multi-port secure device server that offers Ethernet or GSM/GPRS connectivity for remote access and easy management of machines and equipment over the network and across the Internet.

PremierWave® XC provides bullet-proof security by offering a variety of robust data encryption and authentication options. Featuring the industry-proven Lantronix device server application suite with AES, SSH and SSL, PremierWave XC provides enterprise-level security allowing safe and secure remote access and management from practically anywhere.

With GSM/GPRS and Ethernet connectivity with failover, PremierWave XC provides flexibility and redundancy. PremierWave XC can be configured remotely over a network using Telnet, SSH, or web browser (HTTP and HTTPS). With no special software required, setup is a breeze with the included Windows-based DeviceInstaller™. Additionally, to allow existing serial port applications to work with no code modifications, Lantronix' proprietary Secure Com Port Redirector™ virtualization software is also included.

PremierWave XC Highlights

- Dual connectivity offers flexibility and redundancy

- Provide network connectivity to virtually any device with a serial port

- Simple device set-up, configuration and monitoring with powerful, industry-standard management tools (Web, CLI, XML)

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Features and Specifications

High Performance ARM9 32-bit processor

Serial Interface
- Modes: Software selectable RS-232/422/485
- Software selectable RS-485 termination
- Standard and customizable serial data rates from 300 to 921 Kbps
- Characters: 7 or 8 data bits
- Parity: Odd, Even, None
- Stop Bits: 1 or 2
- Modem Control Signals: CTS, RTS, DTR/DCD
- Flow Control: XON/XOFF (software), CTS/RTS (hardware)

Serial Connector
- 2 x DB9M (DTE)
- Per port: 15 KV ESD Protection

USB Interface
- USB Mass Storage Device Support

USB Connectors
- 2 x USB Type A Host Connectors
- USB 2.0

I/O Interface
Input:
- Connection: Sensors/Events
- Voltage acceptance: 0 to 30 VDC
- Digital input event: User Configurable Action
- Optical/Magnetic/Capacitive Isolation: 1.5 KV

Output:
- Software: Turn Relay Output ON and OFF
- Automatic Event Trigger: ON or OFF (Possible events include loss of Ethernet link, loss of cellular link, digital input event)
- Relay Output Response: User Configurable
- Support 1A @24 V

I/O Connectors
- 2 x Digital Input
- 1 x Relay Out

Network Features
Ethernet
- 10BaseT and 100Base-TX Link (auto sensing full and half duplex support)
- RJ-45 Connector with LEDs (indicating mode of operation and activity)
- 1.5 KV Surge Isolation

GSM/GPRS
- Quad-band: 850/900/1800/1900 MHz
- Multislot Class 12 (MS-12)
- Transfer Rates - Up to 85.6 Kbps (downlink), Up to 42.8 Kbps (uplink)
- SMS: Send and Receive
- Outbound SMS: Up to 5 Numbers
- Inbound SMS: Control Relay Status
- 1 x SIM Slot (under screwed down cover plate)
- Antenna: 2dBi, 50 Ohm, SMA Connector

LED Indicators
- Mobile Wireless Mode, Signal Strength, Serial RX/TX, USB Connection, Power

Security
- SSL v3, SSH v2 Client & Server, Supports up to 1024-bit certificates
- Encryption: AES, 3DES, RC4
- Authentication: SHA-1, MD5, Base-64 User Access Lists

Software
- PremierWave XC Application Suite
- Windows 98/NT/2000/XP/ Vista/7 based DeviceInstaller™

Management
- Web Browser (SSL option for secure login)
- CLI (over Serial Ports, Telnet or SSH)
- XML Configuration Records via CLI or FTP
- Supports SNMP version 2c

Environmental
- Operating Temp: -40° to 85° C (-40° to 185° F)*
- Storage Temp: -40° to 85° C (-40° to 185° F)
- Relative Humidity: 5 to 95%, Non-condensing
- IP Rating: 30

*UL rated to 60° C

Power
- Redundant Power Inputs with Failover : 2 x DC (barrel and terminal), 9-30 VDC
- Power Consumption: 3 Watts Max.
- Power Supply (100-240 VAC, 50-60 Hz, 12 VDC @ 1A) with regional adapters

Dimensions
- Size: 10.8 cm (4.2 in) L x 8.5 cm (3.3 in) W x 2.9 cm (1.1 in) H
- Weight: 0.35 kg (0.77 lb)

Agency Approvals / Compliance
- EMC (FCC Part 15 Class B, CE, AS/NZS), RF (FCC Part 22H, Part 24E), Safety (UL 60950-1, CSA C22.2 No. 60950-1-07), Network (PTCRB, R&TTE), RoHS, REACH

Warranty
- 5-Year Limited

Part Number	Description
PXC2102G2-01	PremierWave XC GSM/GPRS Secure Device Server, 2 Serial Ports, 2 Digital I/O, Relay Output, USB, 10/100Base-T, Universal Power Supply

Accessories	Description
930-069-R	External Antenna for PremierWave XC 2dBi, 50 Ohm, SMA Connector
520-107-R	External Power Supply with Regional Adapters, 100-240 VAC, 50-60Hz, 12 VDC @1A

Ordering Information

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