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.

Free 30 Day Network Services Trial!
(See Ordering Information on reverse)

PremierWave® XC provides robust security by offering a variety of data encryption and authentication options. Featuring the industry-proven Lantronix device server application suite with AES, SSH and SSL, PremierWave XC device server 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 device server 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™ software. 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)

LANTRONIX®

CONNECT SMART. DO MORE.

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

Ordering Information

> **Part Number**   > **Description**

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
PXC2102G2-01-WYTM-S	PremierWave XC / Wyless Network Service Bundle, PremierWave XC GPRS Application Server, T-Mobile Network SIM, Free 30-Day Service Trial c/o Wyless, 2 Serial Ports, 2 Digital I/O, Relay Output, USB, 10/100Base-T, Industrial Temperature, Universal Power Supply with Regional Adapters, RoHS

Wyless Network Services Bundle includes:**
  • Free 30-day Service Trial
  • Includes Network SIM
  • 100MB Data Usage
  • 100 SMS
  • Private Static IP
  • Private PPTP VPN Tunnel
  • 24/7 Wyless Network Services Technical Support
  • Web Portal Access
    - Manage, control and monitor your connectivity
    - Real-time SIM management including activation
    - Real-time monitoring
    - Real-time reports on data throughput

> **Power**
  • Redundant Power Inputs with Failover : 2 x DC (barrel and terminal), 9-30 VDC
  • Power Consumption: 3 Watts Maximum
  • 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

Top View Showing Port Labels

RoHS WEEE COMPLIANT

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