HIGH PERFORMANCE GPRS APPLICATION/DEVICE SERVER

A high performance, dual-port secure device server that offers Serial-to-Cellular and Serial-to-Ethernet connectivity for remote access and easy management of machines and equipment over the network and across the Internet.

The PremierWave® XC GPRS Application/Device Server 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 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™ 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 network 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 V3

Ordering Information

> **Part Number**
PXC2102G2-01

> **Description**
PremierWave XC GPRS Application Server, 2 Serial Ports, 2 Digital I/O, Relay Output, USB, 10/100Base-T, Industrial Temperature, 1 Antenna, Universal Power Supply with Regional Adapters, RoHS

> **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 Maximum
  - Power Supply (100-240 VAC, 50-60 Hz, 12 VDC @ 1A) with regional adapters

> **Dimensions**
  - Size (L x W x H): 108 mm x 85mm x 29mm (4.2 in x 3.3 in x 1.1 in)
  - 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

PremierWave XC Top View