



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





PremierWave® XC

GSM/GPRS
Device Server



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)



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: 15KV 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
 - 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
- GSM/GPRS**
- Quad-band: 850/900/1800/1900 MHz
 - Multislot Class 12 (MS-12)

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
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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

Americas

800.422.7055
sales@lantronix.com
http://www.lantronix.com
NASDAQ: LTRX

Asia/Pacific/Japan

+852 3428.2338
asiapacific_sales@lantronix.com

Japan: +81.3.3273.8850
Sales_Japan@lantronix.com

China: +86.21.6237.8868
Shanghai@lantronix.com

Europe

+31 (0) 76.52.3.6.74 4
EMEA@lantronix.com

India: +91 994-551-2488
Sales_India@lantronix.com

*UL rated to 60° C

