PremierWave XC HSPA+ is an industrial-grade 3.5G wireless solution offering Penta-band HSPA+ performance, network redundancy and enterprise-level security for mission critical applications, time sensitive event tracking and M2M connectivity.

**Flexible & Robust**
PremierWave® XC HSPA+ is a flexible and robust intelligent gateway and application server in a compact industrial-grade IP30 rated housing. It is ideal for deployment in remote locations either as a primary wireless connectivity to host multiple devices or as a backup when Ethernet connectivity fails. As with any Lantronix product, PremierWave XC HSPA+ is designed with ease of use in mind without compromising security.

**Safe & Secure Remote Access**
PremierWave XC HSPA+ features the industry-proven Lantronix device server application suite and enterprise-level security (SSL, SSH, AES) allowing safe and secure remote access and management from practically anywhere.

**Customizable & Versatile M2M Solution**
With three primary connectivity modes (Ethernet-to-Cellular Routing, Serial-to-Cellular Tunneling and Serial-to-Ethernet Tunneling), customizable event tracking/notification and multiple configuration modes (Web browser, CLI and XML), PremierWave XC HSPA+ is an extremely versatile, secure and easy to manage M2M wireless solution.

**PremierWave XC HSPA+ Highlights**
- Penta-band UMTS/HSPA+ (global coverage)
- Quad-band GSM/GPRS/EDGE
- Ethernet-to-Cellular Failover/Failback
- Ethernet-to-Cellular Routing
- Serial-to-Cellular Tunneling
- Serial-to-Ethernet Tunneling
- SMS - Shoulder Tap, Relay Control, Event Notification, SMS Tunneling*
- Lantronix Device Server Application Suite
- 1 10/100 Port, 2 Serial Ports, 2 Digital Inputs, 1 Relay Output, 1 USB Port
- Industrial Grade Design
- 5-Year Limited Warranty
Features and Specifications

**Network**
- **Cellular**
  - UMTS/HSPA+ (850/800/900/1900/2100 MHz)
  - GSM/GPRS/EDGE (850/900/1800/1900 MHz)
  - Transfer Rates: up to 14.4 Mbps (downlink), up to 7.2 Mbps (uplink)
  - SMS Inbound: Shoulder Tap, Relay Control, Tunneling
  - SMS Outbound: Event Notification, Tunneling

**Serial Interface**
- Software selectable RS-232/422/485 termination
- Serial data rates from 300 to 921 Kbps
- Characters: 7 or 8 data bits
- Parity: Odd, Even, None
- Stop Bits: 1 or 2
- Flow Control: XON/XOFF (SW), CTS/RTS (HW)
- Voltage acceptance: 0 to 30 VDC
- Isolation: 1.5 KV

**Serial Connector**
- 2 x DB9M (DTE) with 15KV ESD protection per port

**USB Interface**
- USB Mass Storage Device Support

**USB Connector**
- 1 x USB Type A Host Connector (USB 2.0)

**I/O Interface**
- **Input**
  - Connection: Sensors/Events
  - Voltage acceptance: 0 to 30 VDC
  - Digital input event: User configurable
  - Optical: 1.5 KV
- **Output**
  - Software: Turn Relay Output ON and OFF
  - Relay Output Response: User configurable
  - Support 1A @ 24V

**I/O Connectors**
- 2 x Digital Input, 1 x Relay Output (Terminal Block)

**LED Indicators**
- Cellular Mode, Signal Strength, Serial RX/TX, USB Connection, System Status, Power, Ethernet Speed, Ethernet Activity

**Routing/Gateway**
- NAT, Port Forwarding, SPI Firewall
- WAN Failover/Failback
- Multiple Ethernet LAN Hosts
- Multihoming

**Protocol Support**
- Network Services: SMTP Client, RSS, Telnet Server/Clien, SNMP, FTP Server/Client, SFTP Server/Client, TFTP Server, Syslog
- Network Management: SNMP v1/v2c/v3*
- Network Security: HTTPS Server/Client, SSH Server/Client, SSL
- Server/Client, TLS, IPSec*
- Network Protocols: ARP, HTTP/UDP/IP, TCP/IP, ICMP, BOOTP, DHCP, Auto IP, DNS
- Discovery Protocols: UPnP
- Industrial Protocols*: Modbus TCP, Modbus RTU, Modbus ASCII

**Event Triggers and Actions**
- Events: Cellular Link State Change, Ethernet Link State Change, Digital Input State Change
- Actions: SMS, Email, HTTP Post, FTP Put, Relay Output, SNMP Trap

**Security**
- SSL v3, SSH v2, Client & Server, Supports up to 2048-bit certificates
- Encryption: AES, 3DES, RC4
- Authentication: SHA-1, MDS, Base-64 User Access Lists

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

**Software**
- Lantronix Device Server Application Suite
- DeviceInstaller*

**Power**
- Input Voltage: 9-30 VDC
- Power Consumption: 3.6 Watts (typical)
- Power Supply: (100 - 240 VAC, 50-60 Hz)
- Frequency: 50 or 60 Hz
- 1.5 KV Isolation

**Environmental**
- Operating Temperature**: -40° to +70° C
- Storage Temperature: -40° to +85° C
- Relative Humidity: 5% to 95% non-condensing
- IP Rating: 30

**Agency Approvals / Compliance**
- **EMC**
  - FCC Part 15 Class B, IC, EN55022, EN55024 Class B
  - RoHS, REACH
- **Multihoming**
- **WAN Failover/Failback**
- **Cellular Mode, Signal Strength, Ethernet Speed, Ethernet Activity**
- **Relay Output Response: User configurable**
- **Support 1A @ 24V**
- **Part Number**
  - PXC2102H2-01-S: PremierWave XC HSPA+ Intelligent Gateway

**Ordering Information**

**Americas**
- 800 422 7055
- sales@lantronix.com
- http://www.lantronix.com
- NASDAQ: LTRX

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

**Asia/Pacific/Japan**
- +852 3428 2338
- asiapacific_sales@lantronix.com
- China: +86 21 6237 8868
- Shanghai@lantronix.com
- India: +91 994 551 2488
- Sales_India@lantronix.com
- Japan: +81 3 3273 8850
- Sales_Japan@lantronix.com

**Warranty**
- 5-Year Limited

**Dimensions**
- Size: (L x W x H): 109mm x 109mm x 30mm (4.3in x 4.3in x 1.2in)
- Weight: 0.24 kg (0.55 lb)

**Part Number**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>PXC2102H2-01-S</td>
<td>PremierWave XC HSPA+ Intelligent Gateway and Application Server, 2 Serial Ports, 2 Digital Inputs, Relay Output, USB, 10/100Base-T, 2 Antennas, Industrial Temperature, Universal Power Supply with Regional Adapters, RoHS</td>
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*Available in future F/W release
**UL rated to 60° C