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.
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 7.2Mbps (uplink)
  - 1 Secure SIM Slot
  - 2 x Omni-Directional Penta-band Antennas
- Ethernet
  - 10BaseT and 100Base-TX Link (auto sensing – MDIX, full and half duplex support)
  - RJ-45 Connector with LEDs (operation and link)
  - 1.5 KV Isolation

**Serial Interface**
- Software selectable RS-232/422/485
- Software selectable RS-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
- Modem Control: DTR, DSR/DCD
- Flow Control: XON/XOFF (SW), CTS/RTS (HW)

**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
  - Automatic Event Trigger: ON or OFF (possible events include loss of cellular link, loss of Ethernet link, digital input event)
  - 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
- Multithoming

**Protocol Support**
- Network Services: SMTP Client, RSS, Telnet Server/Client, SNMP, FTP Server/Clien, 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

Ordering Information

**Part Number**
- PXC2102H2-01-S

**Description**
- 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