



3G/4G Wi-Fi Mobile Gateway - Powered by AXIOM™

The CIRA X2 is a high-speed embedded communications gateway for connecting mobile equipment and vehicles. With support for 3G and 4G cellular networks, the CIRA X2 provides high-speed, rugged connectivity for mobile data solutions. The CIRA X2 consolidates all network connectivity into a single platform by integrating 3G/4G cellular connectivity, GPS receiver, firewall, high-speed processor, and Wi-Fi access point all in one device.

Based on the second generation of our CIRA product line – The CIRA X2 now includes our AXIOM technologies for embedded intelligence. AXIOM delivers new functionality and is a foundation for adding new capabilities including software controls, applications and even new peripheral devices. The CIRA X2 is a product that extends capabilities as new needs are defined.



Key Features:

- 3G/4G Embedded Connectivity*
- High-precision 16-channel GPS Receiver
- AXIOM M2M Technology
- USB Interface
- Supports Redundant 3G**
- Serial and Ethernet Interfaces
- 802.11 b/g/n Access Point
- Quad SSID
- Device Management & Control
- Wireless WPA/WPA2 Enterprise

Applications

- Mobile Wi-Fi Hotspots
- Taxi, Limousine, & Shuttles
- Fire and Rescue
- Fleet Management
- Law Enforcement
- Video Surveillance

Advanced Features

- 3G/4G Support – Embedded cellular connection
- USB Interface – Scalability and support for redundant connection cards and future peripherals
- 3G Redundancy – Add a secondary 3G connection for multi-carrier coverage
- Bandwidth Management – Decide which devices and applications have priority for cellular connectivity
- 802.11b/g/n Access Point – Extends your mobile hotspot farther with faster speeds, up to 150 Mbps
- Quad SSID – Create separate wireless networks for different network applications
- Wi-Fi Scheduling – Determine rules for when users can connect over Wi-Fi

Sample Application



* 4G supported on participating carrier networks.

** Separate mobile broadband card and data plan required.

Technical Specifications

Physical Characteristics	
Weight	3.5 lbs.
Dimensions	7" (W) x 2.75" (H) x 7.25" (D)
Embedded Radio Features	
CDMA Network	LTE with Fallback to: EV-DO Rev. A, CDMA EV-DO (Rev. 0), CDMA 1xRTT
Bands	LTE 700 MHz, Dual-Band support for CDMA
OR	
GSM Network	HSPA+ with fallback to: HSPA, HSDPA, UMTS, EDGE, GPRS (MS-12), GSM
Bands	Quad-Band HSUPA 850, 900, 1900, 2100 MHz Quad-Band GSM/GPRS 850, 900, 1800, 1900 MHz
Hardware Specifications	
Power Supply (Purchased Separately)	9-34V DC input external vehicle power adapter
GPS	Precision GPS with active antenna port Garmin FMI support
LED Indicators	Power, Network, Signal, Activity, LAN 1-4, WAN, WLAN
RS-232	DB9 DCE (300-230400 baud)
Antenna Connection	50 Ohm SMA for cellular, GPS, Wi-Fi, LTE
Ethernet Ports	4
Router Features	
Wi-Fi	802.11 b/g/n Standard Compliant
Security	<ul style="list-style-type: none"> ■ SPI Firewall with DoS ■ Dynamic DNS ■ DHCP server ■ Multi-NAT ■ Quad SSID ■ WEP ■ WPA/WPA2
Redundant Connectivity Support	802.11 b/g/n Standard Compliant
4G Support*	4G HSPA+, 4G LTE

AXIOM Technology

Pushing intelligence to the edge: AXIOM is the foundation for developing applications and building new functionality into your mobile operations. AXIOM provides the ability to embed remote intelligence on the CIRA X2 and enables the addition of external hardware devices and peripherals for future platform enhancement.

Remote Management Capabilities

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- Web-based user interface
- OTA device configuration and firmware updates
- Events reporting interface
- Programming templates

ALEOS™ Technology

The CIRA X features Sierra Wireless ALEOS™ technology, the industry benchmark for “always-on” and “always-aware” connection management.



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