

AirRunner XI-1500 Series

Zcomax Technologies, Inc. has released The XI-1500 series Access point to meet the needs of the WISP and SOHO markets. The XI-1500 series products provides two antenna jacks that allow for the provided certified antenna's or for antennas that are application specific*. The XI-1500's straightforward design allows for quick and cost effective deployment of wireless networks without high installation and operating costs.

The AirRunner XI-1500 series contains four modes of operation that are necessary in developing a complete wireless LAN; Access Point, Station Adapter, Point to Point and Point to multi-Point. This provides the flexibility that you only need one model that can serve as a backhaul, AP or CPE.

Designed specifically for Wireless ISPs and IT professionals to provide wireless broadband network services, the AirRunner 1500 series delivers outstanding network availability and radio performance.

* Some antenna configurations will require a regulatory license. Make sure all installations are compliant with local regulatory requirements.



XI-1500 Series at a Glance

- External Antenna Connector
- External LED Display
- On-board flash firmware allows for rapid field upgrades.
- Reliable Prism 2.5 Radio
- Multiple operational modes such as AP, Client and Point to multi point modes.
- Windows Utility, Web management and Telnet configuration methods.

Physical Specification:

Dimensions (L x W x H)	171.7mm x 123.2mm x 34.5mm
Weight	310g

RF Specification:

Frequency Range (GHz)	North America:
	FCC: 2.412 ~ 2.462GHz (CH1 ~ 11)
	TELEC: 2.412~2.4842GHz (CH1 ~ 14)
	ETSI: 2.412 ~ 2.472GHz (CH1 ~ CH 13)
Frequency Drift	<25KHz
Transmitter Output Power	
XI-1500H	20dBm (100mW)
XI-1500HP	23 dBm (200mW)
XI-1500HP2	24.7 dBm (300mW)
XI-1500HP3	25.6 dBm (370mW)
Antenna Connector	2 x SMA Reverse Polarity Female
Media Access Protocol	CSMA/CA w/ACK
Modulation	DSS: CCK (11Mbps, 5.5 Mbps) DQPSK (2 mbps) DBPSK (1Mbps)
Receiver Sensitivity	11 / 5.5 Mbps: ≤ -86 dBm / -88dBm
@ PER < 8% for 802.11b	2 / 1 Mbps: ≤ -90 dBm / -93dBm

Electrical Specification:

Supply Voltage	15 Vdc, +/- 5% 1A
Supply Voltage Ripple	120mV (pp) max.
Power-on startup time	<600 ms

LED Display

Power	Indicates CPE powered up successfully
AP ready	Shows the AP is running successfully
Wireless Activity	Flashing light indicates RF activity
Ethernet Activity	Flashing light indicates Ethernet activity
Link	Confirms a successful wireless link

Features

Operational Modes	Access Point, Point to Point, Point to Multi-Point, Station adapter
DHCP Client	Yes
Command Line Interface	telnet
Configuration Utility	Web, Windows and Console interfaces
SNMP Agent	Yes, MIB II supported
Access Control	MAC Address Filter

Environmental

Working Temperature	-10 ~ 55°C, 90% relative humidity (non-condensing)
Storage Temperature	-20 ~ 70°C, 90% relative humidity (non-condensing)

Absolute Maximum Rating

Stress above those listed in Absolute Maximum Rating may cause permanent damage to the device. This is a stress only rating and operation of the device at these or any other conditions above those indicated in standard specifications is not implied.

Supply Voltage	15.5V
Storage Temperature	-25 ~ +80°C, 95% relative humidity (non-condensing)
Barometric Pressure	740 hPa ~ 1050 hPa

Security

The AirRunner XI-1500 Series product includes a high performance hardware WEP engine supporting 64-bit and 128-bit WEP. No driver-level coding for WEP operation is required to integrate the module. 64-bit WEP requires a 40-bit key plus a 24-bit initialization vector. 128-bit WEP utilizes a 104-bit key plus a 24-bit initialization vector.

Interoperability

The AirRunner XI-1500 Series product interoperates with any IEEE 802.11b or 802.11 compliant devices.

Warranty

The XI-1500 series is supplied with a 12 month warranty