

aaZEON**APX-3100 802.11b/g/n Wireless AP/Bridge****Features**

- Compliant with IEEE802.11b/g/n
- Reliable Waterproof (IP67) Enclosure
- High Output Power 600mW
- WPA/WPA2-Enterprise Encryption for a Highly Secure Wireless Network
- WEP/WPA/WPA2/IEEE 802.1x Authentication Support
- Spanning Tree and IGMP Snooping Protocol Support
- Power-over-Ethernet (PoE) IEEE 802.3af Compliant

Description

The APX-3100 features 802.11n standard compliance allowing support of higher bandwidth for wireless Internet service. Its easy-to-install elements no longer make the installation tedious or complicated. The APX-3100 2.4GHz access point/CPE highlights outstanding throughput performance and a cost-effective design guaranteeing reliability at an affordable price.

Flexible Deployment by PoE

The APX-3100 comes with IEEE 802.3af PoE compatibility which enables it to be used in locations where socket availability is limited or nonexistent.

Easy installation & Configuration

A web-based utility offers system administrators an easy method to upgrade the firmware and manage the device over the Internet. When using SNMP, the APX-3100 can support multiple access point configurations from one location. The Antenna Alignment Tool simplifies the installation and alignment process.

Enhanced Throughput

The APX-3100 is compliant with the 802.11n standard, therefore providing a much higher data rate than a traditional 802.11g solution. It has an upgradeable external N-type interface that offers a scalable antenna solution.

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Specifications

Type	Description
Standard	IEEE 802.3u MDI/MDIX 10/100 Fast Ethernet IEEE 802.11b/g Wireless LAN Interface IEEE 802.11n Wireless LAN Standard
Data Transfer Rate	150Mbps(Wireless) 100Mbps(Ethernet)
Modulation Method	IEEE 802.11b (DSSS): CCK, DQPSK, DBPSK IEEE 802.11g/n (OFDM/DSSS): QAM-64, QAM-16, QPSK, BPSK
Frequency Band	IEEE 802.11b/g ISM Band; 802.11gn 20MHz US, Canada: 2.412GHz ~ 2.462 GHz , EU: 2.412 GHz ~ 2.472 GHz IEEE 802.11g/n 40MHz Band US, Canada : 2.422GHz ~ 2.452GHz, EU : 2.422GHz ~ 2.462GHz
Output Power	IEEE 802.11b: 27.5dBm @ 11Mbps IEEE 802.11g: 27.5dBm @ 6Mbps IEEE 802.11gn: 27.5dBm @ HT20 / 27.5dBm @ HT40
Receiver Sensitivity	IEEE 802.11b: -88dBm @ 11Mbps IEEE 802.11g: -73dBm @ 6Mbps IEEE 802.11n: -70dBm @ HT20 / -67dBm @ HT40
Interface	One RJ-45 LAN with PoE N-type connector for external high gain antenna
Antenna	External Antenna
Security	WEP 64,128, 152-bit, WPA/WPA2, WPA-PSK/WPA2-PSK, 802.1X Authentication
Management	Telnet, FTP, SNMP, Password Changes, Firmware Updates, Configuration Files
Power Consumption	5 Watts
Power	48V IEEE 802.3af PoE Adapter
Channel	802.11b/g/n UHT20 FCC: CH1 ~ CH11; ETSI: CH1 ~ CH13 802.11gn HT40 FCC: CH3 ~ CH9; ETSI: CH3 ~ CH11
Operating Temperature	-20 ~ 70°C ambient temperature
Storage Temperature	-30 ~ 80°C

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Package	APX-3100 CD User Guide Mounting kits
Certification	US FCC Part 15 Class B & C & E Europe ETSI 300 328, ETSI 301 489-1&17, EN 60950 compliant and CE Mark
Warranty	5-Year Warranty

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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