

ZyAIR B-5000

Outdoor Access Point & Bridge



The ZyXEL ZyAIR B-5000 is a versatile outdoor wireless solution suitable for multiple applications. Not only does the compact, outdoor wireless solution function as an Access Point for establishing a high-power WLAN, but also as a wireless bridge for offering high-speed, long-range links between buildings. With its stable wireless connection capability, the ZyAIR B-5000 is ideal for installation in harsh environments and reliable enough for the most challenging outdoor uses.

Benefits

Wide Area WLAN and High-speed Internet Access

The ZyAIR B-5000 provides high-speed outdoor wireless access with operating speeds of up to 11Mbps. It meets the requirements of Internet Service Providers who wish to provide wide-area outdoor service, as well as companies that want to extend a WLAN for outdoor employees.

Long-range and High-speed Wireless Connectivity

Operating at a 2.4 GHz frequency, the ZyAIR B-5000 supports point-to-point and point-to-multipoint connection for connecting two or more buildings. Broadband Telecommunications Providers will find these features useful when creating a wireless backbone network to provide Internet access to residential customers.

Robust Outdoor Facility

With a watertight, die-cast housing and built-in Lightning Protector (Surge Arrester), the ZyAIR B-5000 is perfectly designed to fit the needs of the harshest outdoor environments.

Easy Installation and Optimized Performance

The ZyAIR B-5000's smart alignment software makes installing a bridge between 2 sites easier and more effective. Simplicity is further enhanced with Power over Ethernet functionality, requiring only a single Ethernet cable between the LAN and the ZyAIR B-5000 for sufficient power. A unique outdoor mounted design makes the set up process quick and easy.

Comprehensive Security Features

The ZyAIR B-5000, which supports IEEE 802.1x, WEP key encryption, and RADIUS client Accounting and Authentication, allows users to surf the Internet worry-free.

Features

Protocol

- 802.1d transparent bridging
- TCP/IP
- NAT/NAPT
- Virtual server mapping (NAT inbound server)
- DHCP client/server
- PPPoE client
- Static routing

Security

- MAC address filtering
- Authentication in web-based manager
- IEEE 802.1x port-based network access control (EAP-MD5, EAP-TLS)
- RADIUS client (Authentication & Accounting)
- 64/128-bit WEP encryption
- 802.11b SSID hidden (site survey prevention)
- Denial 802.11 "Any" station

Firewall

- NAT firewall
- IP-based access control
- DoS

Management

- Web-based manager
- Telnet configuration
- Console configuration
- SNMP v1
- SNMP MIB-II

Firmware Upgrade

- TFTP
- Xmodem, 1K Xmodem

Specifications

Technical Specification

- Interface: Ethernet 802.3 10Base-T (MIL-C-5015 style circular connector)
- Frequency Channels: 2400 ~ 2483.5
- Output Power: 20dBm (typical); 23dBm (US)
- Lightning Protector Surge Current: 20kA
- Power Supply: Active Ethernet (power over Ethernet) — 48 VDC/0.7A
- External Unit: Auto sensing 100/240 VAC; 50/60 Hz

Physical Specification

- Dimensions: 245(L) x 200(D) x 70(H) mm
- Weight: 1.8kg

Operating Environment

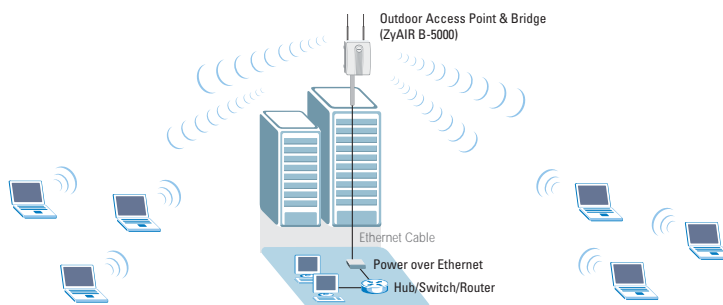
- Operating Temperature Range: -20 ~ 70°C
- Humidity: Outdoor, all-weather enclosure

Package Contents

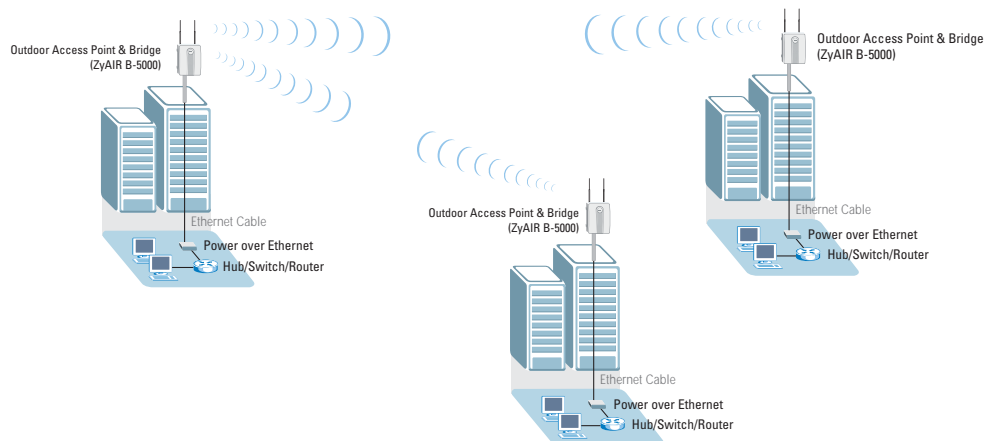
- ZyAIR B-5000
- Ethernet Inline Power Injector
- 1M RF Cable
- 30M MIL-C-5015 style Ethernet Cable
- 2M Uplink Ethernet Cable
- 2M MIL-C-5015 style RS232 Configuration Cable
- User's Manual
- Mast Mounting Bracket with U-bolts
- Wall Mounting Bracket with screws
- Two Omni Antenna

Application Diagram

Outdoor AP Application



Point-to-Multipoint Wireless Bridge Application



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