

B-3000

Intelligent Wireless LAN Access Point



The secure and reliable ZyXEL B-3000 Intelligent Wireless LAN Access Point is a robust wireless LAN solution for Hot Spot and enterprise applications. The B-3000 can be easily integrated into an existing wired network to increase scalability and versatility as well as expand network connectivity.

The B-3000 includes bridging functions that enable secure wireless communication between buildings and within environments where deployment may be difficult. Furthermore, the embedded Power over Ethernet (PoE) design allows for installation in areas without access to power outlets.

The B-3000 also features robust security, which includes 802.1x authentication, 256-bit WEP encryption, Wi-Fi Protected Access (WPA) and VLAN support. Such features allow network operators to define different security policies for different user groups.

With a compact, modern design and powerful features, the B-3000 Intelligent Wireless LAN Access Point allows users to access their networks with complete freedom.

B e n e f i t s

High Level of Network Security Based on WPA*

The B-3000's security architecture is based on WPA for wireless networks. WPA is a complete security solution, which combines advanced TKIP encryption with powerful IEEE 802.1x-based user authentication.

Connect Multiple Sites with Bridge Function

Network operators are often faced with the challenge of establishing communication between two or more buildings in an area. The B-3000 provides a powerful point-to-multipoint bridge, which facilitates wireless communication in a cost-effective way.

Configurable Access Right for Different User Groups

The B-3000 allows for the creation of Multi-ESSIDs within one device. Each user group on a network may be assigned a different SSID, thereby restricting the access rights and services accessible by each group. An intra-BSS feature blocks traffic between users similar to a VLAN-like service.

User-friendly Installation & Configuration

The B-3000's easy-to-use installation guide and intuitive web-based configuration tools allow users to launch a network in minutes. The B-3000 is powerful enough to satisfy the most demanding network operator while remaining simple enough for a non-technical user to deploy. Users immediately benefit from the B-3000 by avoiding costs associated with deploying Ethernet cables in walls and ceilings.

Scalable and Easy to Deploy

A wireless network served by the B-3000 may be easily extended with the addition of more B-3000 access points. Such network expansion allows for seamless integration into a wired network, improving access without sacrificing workspace freedom or network performance. Additional features such as built-in Power over Ethernet support eliminates the requirement for power outlets when deploying the B-3000 and gives operators much more freedom when building a network.

Seamless Link Quality Around Home and Office

The B-3000's variable, high-powered antennas provide seamless roaming throughout the wireless LAN infrastructure and allow users to share network resources and equipments with high link quality. Network access can be enjoyed anytime and anywhere.

Features & Specifications

Standard Compliance

- IEEE 802.3 and 802.3u 10Based-T and 100Based-TX
- IEEE 802.11b compliance
- IEEE 802.3af midspan support – Power over Ethernet

Network Management

- Web-based Configurator
- TFTP/FTP for firmware upgrade/backup
- SNMP Support
- Command-line interface

IP Management

- DHCP Client/Relay
- IPSec, PPTP and L2TP pass through support
- Wireless Distribution System (WDS/Bridge & Repeater)

Security

- Wi-Fi Protected Access*
- IEEE 802.1x Authentication with RADIUS client
- Dynamic WEP key exchange
- 256-bit WEP*
- Multiple-ESSID with tagged VLAN
- Block Intra-BSS traffic
- MAC address filtering through wireless LAN
- Control of number of users allowed access
- SSL pass-through*

Diagnostics Capabilities

- Router self-diagnostics
- Syslog
- Errolog
- Trace Log
- Packet Log
- Central Log

Transmit Output Power

- 17 ~ 18.5dBm

Receiver Sensitivity

- -84dBm @11Mbps
- -86dBm @5.5Mbps
- -87dBm @2Mbps
- -87dBm @1Mbps

Hardware Specifications

- Power: 12VDC @1.2A Max
- Power over Ethernet
- Ethernet: 10/100Mbps Ethernet with auto MDI/MDIX
- Reset Button

Operating Environment

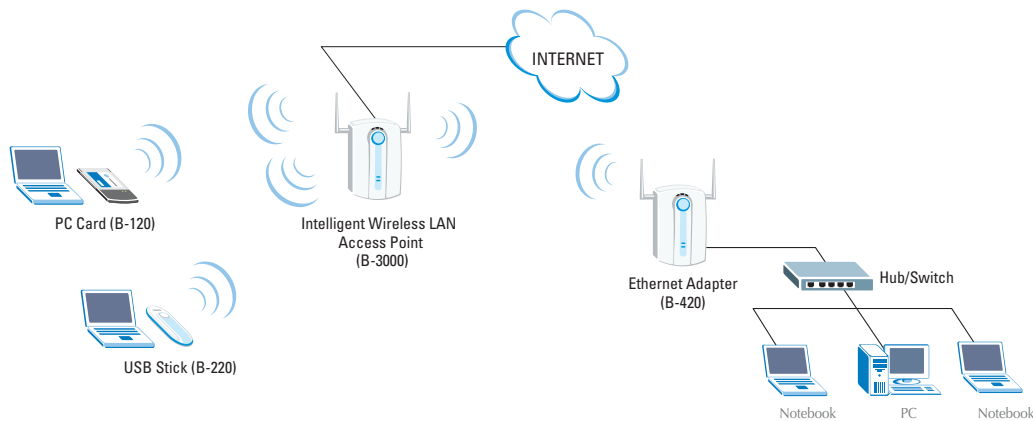
- Operating Temperature: 0 ~ 55°C
- Storage Temperature: -20 ~ 55°C
- Operating Humidity: 10 ~ 90%

Physical Specifications

- Dimensions: 153 (L) x 92 (D) x 45 (H) mm
- Net Weight: 300g

* Firmware upgradeable for future enhancement

Application Diagram



Connectors



ZyXEL



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