



- Outdoor dual-RF Access Point & Bridge
- Wi-Fi Access Protected (WPA)
- 802.1x Authentication
- Mixed WEP & WPA mode available
- Intra-BSS traffic blocking & Layer 2 isolation\* support
- WDS, PoE, & detachable antenna
- Embedded PEAP RADIUS server
- Configurable transmit output power & Auto-scan for interference channel
- IPSec, PPTP, L2TP, & SIP pass through
- Web-based configurator, Command line interface, & SNMP support



## 802.11g Outdoor Wireless AP & Bridge

G-5100

## High-Performance Outdoor Business Wireless AP & Bridge with Dual RF Cards

### Benefits

#### Outdoor Point-to-Point Bridge & Access Point

ZyXEL G-5100 is a cost-effective and easy-to-deploy alternative to leased lines and 802.11g bridges. With comprehensive features and industrial-strength functionality, ZyXEL G-5100 offers outdoor connectivity with top-notch signal quality. The weatherproof and lightning protection design allows the G-5100 to extend network to outdoor locations, new buildings at a distance, or even challenging settings like hooking up with a network from across the street. Better yet, cutbacks from removing unnecessary leased lines will pay for the hardware investment quickly.

#### Performance Enhanced by Two 802.11g RF Cards

An outdoor dual 802.11g access point and bridge, ZyXEL G-5100 is designed for pure outdoor WLAN applications to provide flexible bridge functionality with two RF cards.

- It is a unique, easy-to-deploy approach allowing system managers to setup AP and bridge application within one device
- Both AP and bridge functions of the G-5100 can reach up to 500M reliably.

#### Critical Business Security and Reliability

The G-5100 supports the latest security standard such as Wi-Fi Protected Access (WPA) technology and IEEE 802.1x security for mutual authentication. It also offers enterprise-level security features like intra-BSS traffic blocking and Layer 2 isolation\* for better user privacy.

- As a Wi-Fi certified product, its encrypted data transmission is highly secured yet maintains excellent interoperability
- 802.1x/EAP authentication supports high-level user management when mapping identity information
- The Intra-BSS traffic blocking feature keeps clients from seeing each other
- The Layer 2 isolation\* feature keeps clients of different APs from seeing each other

#### Easy Deployment and Management

The WDS (Wireless distribution system) feature of the G-5100 enables easy deployment without wire connection, and the detachable antenna design enhances flexibility to meet customer demands for high-gain replacements; its PoE design also enables effortless deployment in various environments. Additionally, the embedded RADIUS server supports easy management and adjustable transmit power output for even more versatility.

- WDS with AP, AP+ Bridge and Bridge/Repeater features provides easy deployment without physical wire connection
- Detachable antenna design allows administrator to adopt optional high-gain antenna for special environments
- The PoE design eliminates the need for power sockets to improve deployment flexibility
- The embedded RADIUS server on the AP can play the authentication server role in the network neighborhood
- Transmit Power Control allows administrators to adjust the signal coverage level

## Specifications

### Standard Compliance

- IEEE 802.3u support
- IEEE 802.11g support
- IEEE 802.11b support
- IEEE 802.1x support
- IEEE 802.1d
- WiFi Certified

### Wireless Distribution System

- AP & Bridge simultaneously
- Point-to-point bridge
- Point-to-multi-point bridge
- Repeater mode

### Security

- MAC filtering
- 64/128 bits WEP
- 802.1x/EAP
- WPA support
- WPA-PSK
- Embedded RADIUS Server
- Dynamic WEP key exchange
- Mixed WEP & WPA mode (support both 802.1x/WEP & WPA clients)
- Intra-BSS traffic blocking
- Layer 2 isolation\*
- VPN passthrough

### Management

- Embedded Web Configurator management
- Command-line interface
- Telnet support
- SNMP management
- RADIUS client
- DHCP client
- Built-in diagnostic tool

### Wireless Application

- Unlimited user client access
- Configurable output power
- Roaming

### Hardware Specification

- RJ45 Ethernet Cable: MIL-C-5015 STP
- Uplink Ethernet cable: MIL-C-5015 UTP
- RS232 Console cable: MIL-C-5015 STP
- Antenna: 5dbi detachable antenna

### Environmental Specification

- Operating Temperature: -20°C ~ 70°C
- Operating Humidity: 10% to 90% RH
- 100 ~ 240VAC 50/60Hz, 800mA at -48VDC (PoE)

### Physical Specification

- Dimensions: 246(L) x 202(D) x 73(H) mm
- Weight: 2.6KG

### Certification

- EMC: FCC Class B, CE-EMC Class B, C-Tick Class B
- Safety: CSA International, CE EN60950-1
- DGT Certified

\* Firmware upgradeable for future enhancement

For more product information, visit us on the web [www.ZyXEL.com](http://www.ZyXEL.com)

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