



NetPassage WP18

WIRELESS 54Mbps A+G DUALBAND NETWORK
ACCESS POINT WITH BUILT-IN PoE

NetPassage WP18 Wireless 54Mbps A+G Dualband Access Point with built-in PoE allows you to enjoy the versatility of Dualband feature. WP18 contains two separate wireless radio transceivers that supports the IEEE 802.11b/g band which operates on 2.4GHz and the IEEE 802.11a band which operates at 5GHz. As the two transceivers operate in different bands, they can work simultaneously; providing a larger coverage zone with high-speed connectivity for your wireless network. WP18 includes the Bandwidth Control feature that enables you to specify the maximum line bandwidth that a particular transfer operation can use, thus enabling smoother network traffic.

The autoscanner feature automatically sense the clearer network to connect to, ensuring better and faster connectivity at all times. Besides functioning as a versatile access point for hotspot or any public access deployment, WP18 can also function as an Access Point Client in any wireless network environment. The built-in Atheros-AG technology provides higher throughput at 802.11a, 5GHz vs 802.11b/g's congested 2.4GHz band and the ability to operate in 24 non-overlapping channels as compared to the 3 non-overlapping channels on the 802.11b/g standard.

NetPassage WP18 also includes an integrated Power over Ethernet (PoE) that allows WP18 to be used in areas where power outlets are not readily available. To protect your security and privacy, WP18 is armed with many enhanced wireless security features such as Wi-Fi Protected Access (WPA), WPA2, IEEE 802.1x Authentication and 64/128-bit WEP (Wired Equivalent Privacy) and Pseudo VLAN to ensure privacy for the heterogeneous mix of users within the same wireless LAN.

Versatile Internet Gateway

NetPassage WP18 can be used as a dualband wireless gateway or wired router for hotspot and any public Internet access solution.

Increased Security

NetPassage WP18 supports 64/128-bit WEP, WPA and WPA2 to provide enhanced security for your wireless network. NetPassage WP18 uses the IPSec co-processor to encrypt data up to 100 tunnels between your home or office to your corporate network without installing any client software on each computer.

Power over Ethernet

WP18 is compatible with IEEE 802.3af Power over Ethernet for additional convenience in outdoor deployments.

DHCP Server

Features like DHCP server, time-based access management to filter internal users' to access the Internet are found in the NetPassage WP18.

Long Range Support

WP18 is suitable for long-range wireless deployment with Compex's ACK timeout support and high Rx sensitivity.

Scalability & Redundancy

Allowing load sharing with more than one broadband router interconnected and having fail-over redundancy when using the Compex unique Parallel Broadband feature.

Management & Monitoring

Netpassage WP18 can be easily configured through the web-browser or by using the uConfig utility program. It also supports SNMP for easy management and monitoring of network device operation status.

- ◆ **Dualband A+G versatility**
- ◆ **Autoscanner feature automatically connects to the clearer network**
- ◆ **Built-in PoE feature for additional flexibility**
- ◆ **Supports 64/128/152 bit WEP, WPA and exclusive Pseudo VLAN security features**

NetPassage WPI 8

TECHNICAL SPECIFICATIONS

STANDARDS

- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11
- IEEE 802.3u

SPEED

Up to 108Mbps with eXtended Range on 802.11g mode

WIRELESS FREQUENCY RANGE

| | |
|--------------|-------------------|
| IEEE 802.11a | 5 ~ 5.850 GHz |
| IEEE 802.11g | 2.412 ~ 2.462 GHz |
| IEEE 802.11b | 2.412 ~ 2.484 GHz |

WIRELESS OPERATING RANGE

| | |
|--------------|----------------|
| IEEE 802.11g | 100m (outdoor) |
| | 30m (indoor) |
| IEEE 802.11b | 400m (outdoor) |
| | 100m (indoor) |

*Subjected to environmental conditions.

NETWORK INTERFACE

WAN interface: 1* 10/100Mbps
 LAN interface: 4*10/100Mbps
 SERIAL interface: 1* RS232 Port
 Built-in Power Over Ethernet feature

VPN FUNCTIONALITY

IPSec encryption

OPERATING MODES

- ♦ Access Point
- ♦ Access Point Client
- ♦ Point to Point
- ♦ Point to MultiPoint

DEVICE MANAGEMENT

SNMP, Web-Browser, uConfig

OPERATING CHANNELS

| | |
|---------------|-------------|
| US and Canada | 11 Channels |
| Europe | 13 Channels |
| Japan | 14 Channels |

POWER OVER ETHERNET

Compatible with IEEE 802.3af PoE

SECURITY

- 64 / 128-bit WEP
- 802.1x authentication
- WPA-EAP and WPA-PSK, WPA2
- Wireless Pseudo VLAN (PVLAN)
- Stateful Packet Inspection firewall (SPI)

MINIMUM SYSTEM REQUIREMENTS

Windows 2000, XP Home/ Pro

LED INDICATORS

Power, LAN/WAN, WLAN

POWER REQUIREMENTS

Input Voltage: 5VDC, Current Ratings: 4A

WIRELESS TRANSMIT POWER

| | |
|--------------|---------------------------|
| IEEE 802.11a | 18 dBm (+1.0dBm/ -1.5dBm) |
| IEEE 802.11g | 19 dBm (+1.0dBm/ -1.5dBm) |
| IEEE 802.11b | 20 dBm (+1.0dBm/ -1.5dBm) |

TEMPERATURE

Operating 0°C to 55°C
 Storage -20°C to 75°C

HUMIDITY

Operating 10%to 80% (non-condensing)

CERTIFICATION

FCC, CE Mark

DIMENSIONS & WEIGHT

| | |
|------------|--------------------------------|
| Dimensions | 31 x 160 x: 170 mm (H x W x D) |
| Weight | 260 grams (estimated) |

ADVANCED FEATURES

- Long Range Parameter Settings (LDA)
- Universal Plug-N-Play
- Dynamic DNS Service (Subscribe service)
- Bandwidth Control
- Spanning Tree Protocol
- Parallel Broadband
- Integrated Power Over Ethernet (PoE)



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