

JW3000AP

Wireless Mesh Access Point

Benefits

- Self configuring, Self-healing MESH network - up to 40 nodes
- Detects & reports rogue APs
- Rugged IP 66 casing for outdoor use as a HotSpot or repeater
- Multiple SSIDs in a single network

Features

- Dual Radios: 802.11a/b/g for both AP and Bridging
- Super G & Turbo A on access point & bridge up to 108 Mbps
- User configurable modes: access point, wireless bridge, or repeater
- Power-over-Ethernet (PoE) standard
- VLAN 802.1Q
- 64, 128, and 152-bit WEP
- AES-CCMP/WPA2/802.11i
- Wireless client load balancing

The JW3000AP Wireless Mesh Access Point is housed in a sturdy enterprise-friendly IP 66 casing for use outdoors as an access point/ bridge or repeater. Its outdoor range is a minimum of 1400 feet unboosted. It can also be used indoors.

This model incorporates 802.11a/b and 802.11g on both AP and bridging ports. 802.11g, like 802.11b, operates in the 2.4 GHz range. And it is backward-compatible with 802.11b, so that, if you already have an 802.11b network, you can smoothly transition. The 802.11a system operates in the 5GHz band for reduced interference.



What's the advantage? The 802.11g and 802.11a interfaces have a maximum rated speed of 54 Mbps. The Turbo A and Super G options provide upto 108 Mbps data rate.

The JW3000AP employs WEP/WPA2/802.11i with 128-bit AES, the highest commercial security standard available.

The JW3000AP will also detect rogue access points, to further protect your network from unauthorized access — an invaluable capability.

Management is easy with GUI WEB interface which allows you to add users to and remove users from the system. 802.1Q/VLAN allows use of multiple SSIDs for varying service types over a common physical network.

Finally, you have full use of Power-over-Ethernet, saving the time and unsightliness associated with powerline cabling.

SPECIFICATIONS

Hardware Specification

- CPU: XScale IXP 425 @ 533 MHz
- 8 MB flash
- 64 MB SDRAM

External Ports

- 1 10/100 Mbps WAN Ethernet port
- 1 LAN port (for configuration)
- 3 External antenna port

LED Indicators

- Power
- WAN
- WLAN 1- Activity light/Link Ind.
- WLAN 2- Activity light/Link Ind.
- WLAN - Signal Strength

Environment & Safety

- Operating Temperature: -5° ~ +50° C standard; -30° ~ +70° C option with TEC
- Storage Temperature: -40° ~ +80° C
- Operating Humidity: 0~95% non-condensing
- EMI/Safety: FCC Class A
- Lightning protection (option)

Wireless Features

- Multiple RFs
 - 802.11a/b/g for AP & bridge with Turbo A and Super G
- Operation mode (user configurable)
 - Access Point, Bridge/Repeater
- Self-forming, self-configuring, self-organizing mesh - up to 40 nodes
- Multiple SSIDs, VLAN 802.1Q
- Channel number
 - Fixed or automatic select (optimum)
- Adjustable Tx power
- 802.11a Dynamic Frequency Selection
- 802.11a Transmit Power Control
- Load balancing of wireless clients
- Security:
 - WEP - 64, 128, and 152-bit
 - WPA-PSK
 - WPA (802.1x) - Dynamic Key
 - WPA2/802.11i
 - AES-CCMP
 - Enable/disable broadcast SSID
 - MAC address filtering
 - Rogue wireless AP detection with email notification
- Wireless AP and wireless client activities monitoring
 - Signal strength
 - MAC address listing of wireless clients

WAN Ethernet Setting

- Fixed IP
- DHCP client
- Supports 10/100 Mbps auto negotiation

LAN Ethernet Setting

- Supports 10/100 Mbps full/half duplex auto negotiation

Device Management

- Web Server/HTTPS
- SNMP Agent

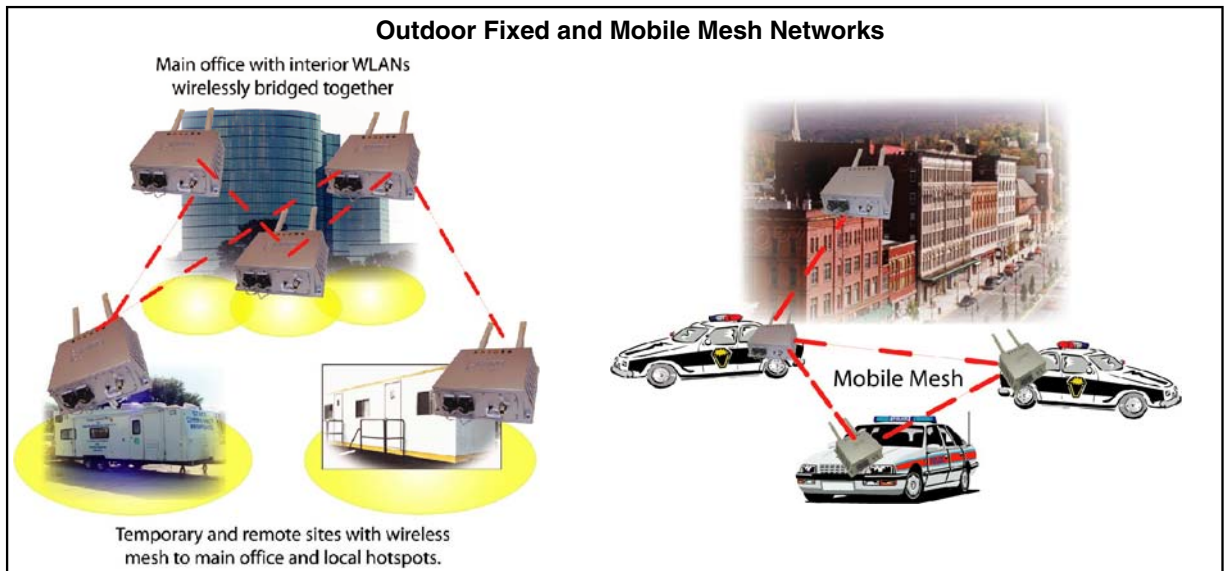
Tools and Utilities

- Ping utility
- Trace route utility
- Firmware upgrade via web
- Reboot device
- Factory default

Mounting Kit Included

Dimensions

- Weight: 5.5 lbs
- 9.25" x 8.25" x 3.00"



ORDERING INFORMATION

MODEL	DESCRIPTION
JW3000AP	Wireless Mesh Access Point for Outdoor Use