

# WLI-5125 Wireless Mesh Access Point

## Specifically for Outdoor Use

### Benefits

- Self configuring, self-healing mesh network - up to 40 nodes
- Detects and reports rogue APs
- Rugged IP 66 casing for outdoor use as a hot spot or repeater

### Features

- Dual radios: 802.11a/b/g for both AP and bridging
- Super G & Turbo A on access point and bridge up to 108 Mbps
- Three modes: access point, wireless bridge, or repeater
- Power-over-Ethernet (PoE) standard
- Optional lightning protection
- 64-, 128-, and 152-bit WEP
- AES-CCMP / WPA2 / 802.11i
- Wireless client load balancing



What's the advantage? The 802.11g and 802.11a interfaces have a maximum rated speed of 54 Mbps. The Turbo A and SuperG options provide up to 108 Mbps data rate. The WLI-5125 employs WEP / WPA2 on the AP access band and very secure AES on the bridge.

The 802.11a/b/g AP card uses a 5dBi tri-band detachable antenna. The bridging port has a type SMA reverse polarity connector for the bridge antenna.

The WLI-5125 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.

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

The WLI-5125 wireless mesh access point is housed in a sturdy enterprise-friendly IP 66 casing for use outdoors as an access point / bridge or repeater. It's outdoor range is a minimum of 420m 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 5 GHz band for reduced interference.

Devices ► Infrastructures ► Applications



# WLI-5125

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### Hardware Specification

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

### External Ports

- One 10 / 100 Mbps WAN Ethernet port
- One LAN port (for configuration)
- Three 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, CE  
EN301489 EN55022 EN61000  
EN300328
- Lightning protection (option)

### Wireless Features

- Multiple RFs
  - 802.11a/b/g for AP & bridge with Turbo A and Super G
- Operation mode
  - Access Point, Bridge/Repeater
- Self-forming, self-configuring, self-organizing mesh - up to 40 nodes
- SSID
- Channel number
  - Fixed or automatic select (optimum)
- Adjustable transmit 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

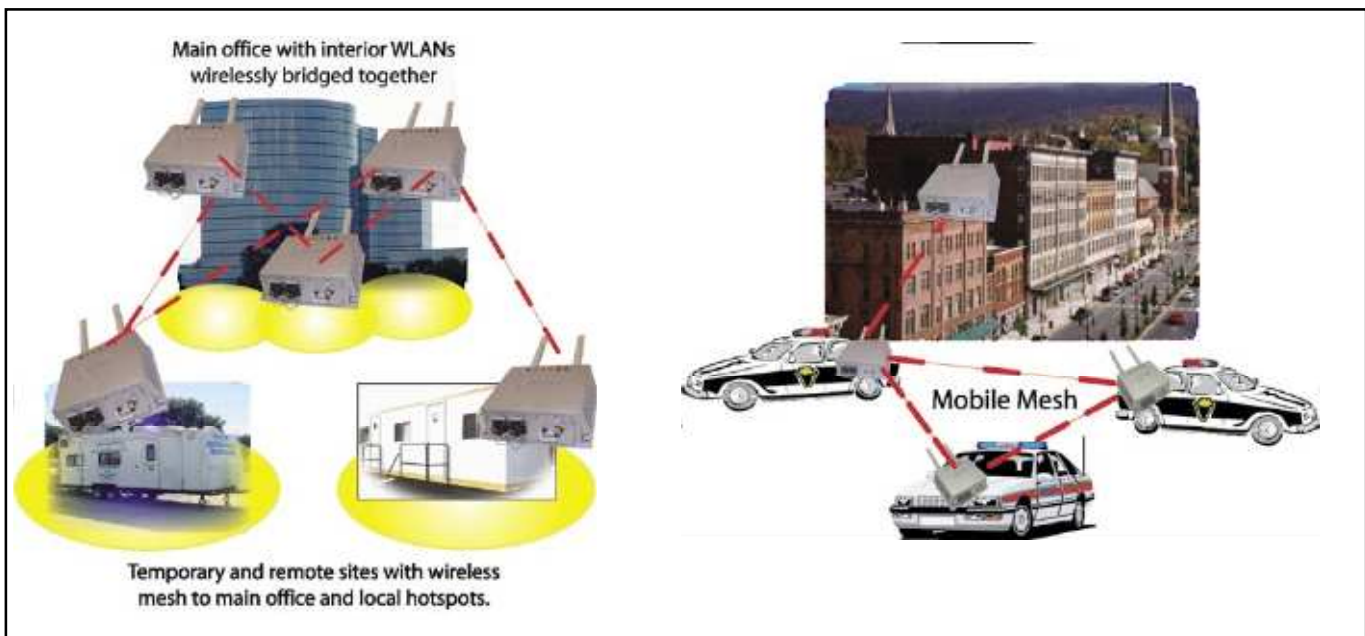
### Tools and Utilities

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

### Mounting Kit Included

### Dimensions

- Weight: 2.7kg
- 235 x 210 x 76mm



Certain features listed may have restricted availability and / or subject to change without notice.



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