

WLI-5108 Wireless Mesh/Client/Bridge/Access Point



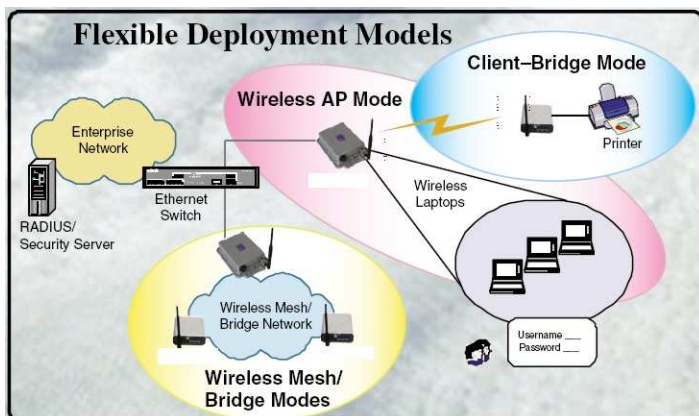
WLI-5108-E



WLI-5108-S

- IEEE 802.11a/b/g (1-108Mbps)
- Industrial wireless Ethernet interface (-E)
- RS232 Version (-S)
- Self configuring, self healing MESH network
- Rugged IP66 enclosure for outdoor use
- Security : WPA2 / AES-CCMP / 802.11i / Mac address filtering, rogue wireless AP detection
- Power Over Ethernet (PoE)
- Easy GUI WEB interface
- Wi-Fi certified in AP mode
- Designed for industrial environment
- N-female connector for external antenna

The wireless Ethernet **WLI-5108** interface is designed for applications requiring robustness and reliability in disturbed industrial environment. It supports 802.11a in 5.7GHz and 802.11b/g in 2.4GHz with a throughput of 54Mbps and even 108Mbps in Turbo A or Super G mode. Operating in 5.7GHz is ideal with less radio interference, besides the 802.11h standard is supported with DFS (Dynamic Frequency Selection) and TPC (Transmit Power Control) features. The European legislation has evolved allowing 1W maximum for EIRP which offers longer transmission range. The WLI-5108 is well secured with WPA2 and a 128-bit AES encryption in proprietary bridge mode. It can also detect hackers and inform you by email. The configuration can be done easily with any web browser. The PoE adapter enables the power supply of the interface through the Ethernet cable.



TECHNICAL SPECIFICATIONS

WIRELESS FEATURES

- Multiple RF: IEEE 802.11a/b/g (1-108Mbps)
- Frequency range : 2.412-2.462GHz (Europe) 5.745- 5.825GHz
- Technology: DSSS
- Output power: adjustable, max 18dBm
- Receive sensitivity:

802.11a: -88dB@6Mbps, -71dB @54Mbps	802.11b: -95dB@1Mbps, -90dB @11Mbps
802.11g: -90dB@6Mbps, -74dB @54Mbps	
- Operation mode : Access Point, Bridge, client-bridge, MESH
- Self-forming, self-configuring, self organizing MESH
- Fixed or automatic select channel number
- 802.11h : DFS (Dynamic Frequency Selection)
- 802.11h : TPC (Transmit Power Control)
- Load balancing of wireless clients

LAN ETHERNET SETTING

- Support 10/100Mbps full duplex with autonegotiation
- Fixed IP, DHCP Client

SECURITY

- WEP64,128,152bits, WPA, WPA2, AES-CCMP
- Layer 2 Isolation for HotSpot
- Rogue wireless AP detection with email notification
- MAC address filtering
- Password access

DEVICE MANAGEMENT

- Web server / HTTPS
- SNMP Agent / SNMP Trap

FORM FACTOR

- IP66 metal case (-E)
- Mounting kit included
- Dimensions (h x l x d) : 237x151x55mm
- Weight : 1.100kg

INTERFACES

- 1 N-Female antenna connector (ant not included)
- 1 RJ45

ENVIRONMENT

- Operating temperature: -5 ~ +50°C (-30 à +70°C) with TEC (Temperature Extended Compensation)
- Storage temperature: -40 ~ +80°C
- Operating humidity: 0-95% non condensing

SAFETY

- ETSI EN301489, EN55022,EN61000
- Low voltage EN60950
- CE EN301489 , EN 300328
- FCC Class A

OPTIONS

- PoE power (-E model)
- TEC Temperature compensation (-E/TEC model)
- Custom MIBs (inquire)
- Lightning protection kit, antennas, low loss cables

LEDS INDICATORS (-S model)

- Power
- LAN
- WLAN

UKDS_WLI5108_V1.0 - Non-contractual document : specifications can be modified without any notice.