Compact Access Point, Ethernet Bridge & repeater (WDS)

- IEEE 802.11 a/b/g/h & super AG standards, up to 108 Mbps data rate
- Security: WEP, WPA-PSK, WPA2-PSK and IEEE 802.1x (RADIUS)
- Easy to use web based configuration
- Auto-sensing 10/100 Base TX RJ45 network interface
- +9VDC to +48VDC power supply
- Small sized enclosure (L: 103 x W: 67 x H: 24 mm)

WLg-LINK

IEEE 802.11a/b/g
WiFi 2.4 / 5 GHz

Certified
RF module

5-YEARS WARRANTY

When used in the Access Point mode, the WLg-LINK is the root element of an industrial WiFi Ethernet network.
When used as a Bridge, it makes it possible to connect any Ethernet 10/100 industrial equipment to this network.

The WLg-LINK device is also designed to work as a wireless bridge between the wired MODBUS/TCP protocol and the radio network, this feature allows connecting of any MODBUS/TCP equipment to this network.

Integrators and manufacturers (point of sales, medical instrumentation, industrial automation, security systems, video surveillance, automotive, building automation ...) can right now rely on this new technology to build safety wireless network applications while freeing themselves from wiring constraints.

ACKSYS
COMMUNICATIONS & SYSTEMS

TECHNICAL CHARACTERISTICS

Ethernet link	10/100 Base TX Ethernet interface, RJ45 connector
WiFi network	Compliant to the IEEE 802.11a/b/g/h 2.4 / 5 GHz standards, multi-country Roaming support (IEEE 802.11d); Dynamic Frequency Selection (DFS) support provides flexible selection of best frequency to allow mobility among all existing IEEE 802.11a/b/g/h networks; "ClearVoice" band provides non-overlapping channels for fast-speed data transmission; Transmission Power Control (TPC) offers flexibility to adjust RF output power, based on the ATHEROS€s AR5414 (AR5006XS) chip set.
Data rate	Up to 108 Mbps (Super AG mode)
Channels	13 channels (b/g modes), 8 channels (a mode), 11 channels (h mode)
Output power	Transmitter +20 dBm (TPC)
Sensitivity	Receiver • 92 dBm for IEEE 802.11 a/g and -95 dBm for IEEE 802.11b
Antenna	Two 2dBi 2.4 / 5 GHz antennas (RP-SMA connectors)
Modulation	OFDM: BPSK, QPSK, 16QAM, 64QAM DSSS: DBPSK, DQPSK, CCK
Security	64/128 bits WEP, WPA-PSK, WPA2-PSK, IEEE 802.1x (RADIUS authenticator & supplicant), MAC addresses filtering, SSID broadcast control
Modes	Access point to build a WiFi network infrastructure, Bridge to connect any Ethernet equipments to this network and MODBUS/TCP wireless gateway, repeater (WDS), infrastructure, AD-HOC, bridge router & rapid roaming (less than 50 mS) modes are supported
Administration	Thanks to its built-in WEB interface, the setup of the device is achieved using any web browser installed on your computer (Internet Explorer, Netscape, Mozilla ...), SNMP agent, ACKSYS NDM
Operating systems	Windows, Linux, UNIX as well as any operating system supporting TCP/IP
Signalling	LAN & WLAN activity on LEDs
Power supply	+9VDC to +48VDC power source, 3-pin Phoenix terminal block
Consumption	3.5 Watts typical, 5 Watts maximum
Dimensions & weight	Small sized enclosure L: 103 x W: 67 x H: 24 mm, weight 225 g
Environment	Operating temperature: 0,C to +70,C, storage: -65 to +100,C Humidity: 5% to 95% (non-condensing)

References to order	
WLg-LINK	Access Point, Ethernet Bridge, repeater (WDS) module for wireless WiFi IEEE 802.11a/b/g/h & super AG, shipped with two 2dBi 2.4 / 5 GHz antenna
PWS12-UNI-PH3	AC (110V / 220V) to 12VDC power adapter with cable terminated by a 3-pin Phoenix terminal block

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