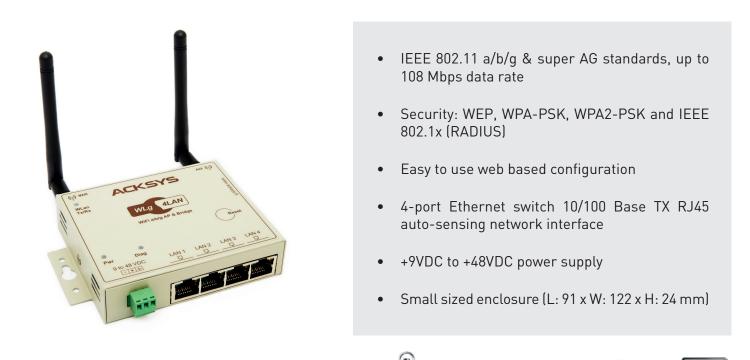
WLg-4LAN

WiFi access point and bridge with 4-port Ethernet switch



Introduction

When used in access point mode, WLg-4LAN is the root element of an industrial WiFi Ethernet network. When used as bridge, it allows connecting up to 4 Ethernet 10/100 devices to this network.

WLg-4LAN device is also designed to work as a wireless bridge between the wired MODBUS/TCP protocol and the radio network. This feature allows connecting 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 now rely on this new technology to build safety wireless network applications while freeing themselves from wiring constraints.



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bg Wi Fi

Ethernet link 4-port 10/100 Base TX interface, RJ45 connectors Compliant to the IEEE 802.11a/b/g 2.4 / 5 GHz standards, multi-country roaming support (IEEE 802.11a); Dynamic Frequency Selection (DFS) support provides flexible selection of best frequency to allow mobility among all existing IEEE 802.11a/b/g networks; «ClearVoice» WiFi network 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) Transmitter +20 dBm (TPC) Output power Sensitivity Receiver -92 dBm for IEEE 802.11 a/g and -95 dBm for IEEE 802.11b Two 2dBi 2.4 / 5 GHz antennas (RP-SMA connectors) Antennas OFDM: BPSK, QPSK, 16QAM, 64QAM Modulation DSSS: DBPSK, DQPSK, CCK 64/128 bits WEP, WPA-PSK, WPA2-PSK, IEEE 802.1x (RADIUS authenticator & supplicant), MAC addresses filtering, SSID broadcast Security control Access point to build a WiFi network infrastructure, Bridge to connect any Ethernet equipments to this network and MODBUS/TCP Modes wireless gateway, repeater (WDS), infrastructure, AD-HOC, bridge router & fast roaming (less than 50 ms) modes are supported Thanks to its built-in WEB interface, the setup of the device is achieved using any web browser installed on your computer (Internet Administration Explorer, Netscape, Mozilla ...), SNMP agent, ACKSYS NDM **Operating systems** Windows, Linux, UNIX as well as any operating system supporting TCP/IP Signaling LAN & WLAN activity on LEDs Power supply +9VDC to +48VDC power source, 3-pin Phoenix terminal block 3.5 Watts typical, 5 Watts maximum Consumption **Dimensions & weight** Compact size enclosure L: 91 x W: 122 x H: 24 mm, weight 243 g Operating temperature: -20°C to +70°C, storage: -65 to +100°C Environment Humidity: 5% to 95% (non-condensing)

Ordering references

Technical characteristics overview

WLg-4LAN PWS12-UNI-PH3 Access Point, 4-port Ethernet Bridge, repeater (WDS) module for wireless WiFi IEEE 802.11a/b/g & super AG, shipped with two 2dBi 2.4 / 5 GHz antennas AC (110V / 220V) to 12VDC power adapter with cable terminated by a 3-pin Phoenix terminal block

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