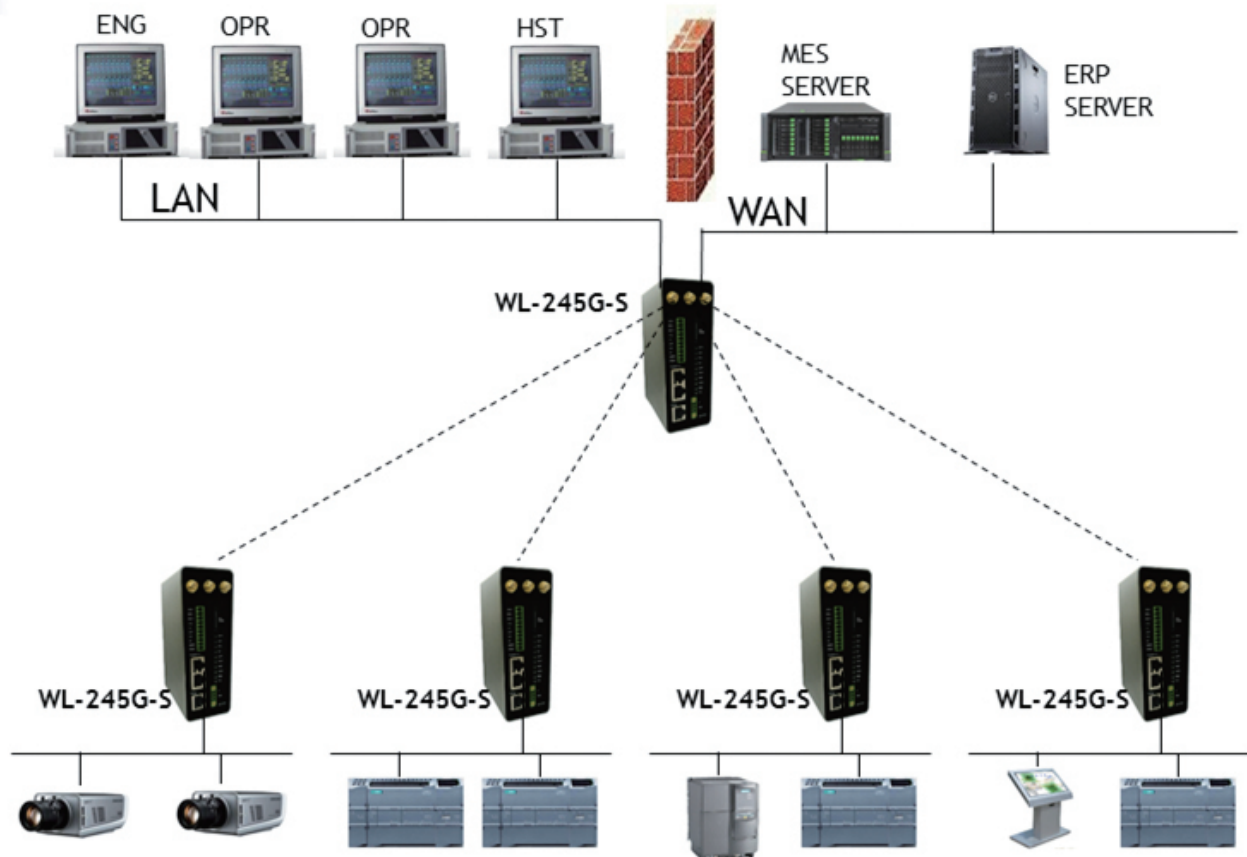# WL-245G-S

802.11a/g Industrial Wireless Module

Description:

WL-245G-S is designed for the industrial, It is a powerful 802.11a/g industrial wireless module with 100mw transmit power; It can be applied to Oil & Gas, Coal-Mining, Iron & Steel, Water, New-Energy and other industrial system. Connected far distance for your PLC, VFD, DCS, instruments via the wireless technology.

The wireless module based on the 802.11a/g OFDM technology, three RJ45 port was designed for the module, one port is Rs232 serial port; the other two module is 802.3 Ethernet port; one port for WAN, and the other is LAN; Except that the module can support IO signal transmission (2DI, 2Do, 1AI (4-20mA)), you can send your transmitter data to PLC & HMI by 802.11g. The GPS function also integration into the module, so we can get the location information of industrial devices. The time information also can be get from the GPS module.

Different from the two layer wireless switch, WL-245G-S has two Ethernet port, one is WAN port and the other is LAN port; the system in different IP segment can be connected through the WL-245G-S module.

Features:

54 Mbps RF Rates (OFDM)-Multicast,

Video Monitoring and Automation Control Simultaneously

Single webpage setup by field personnel

2 port 10/100 Ethernet WAN/LAN switch with routing function

Support Wi-Fi 802.11a/b/g based on 2.4GHz/5.8Ghz

Centralized management of wireless security policies

Supports dynamic or static IP addresses assigned by server

Wireless IO signal transmit

Data priority can be controlled by QoS

-40°C to +70°C -operation in all outdoor conditions, rugged construction withstands all operating environments

Technical specifications:	
Wireless Standards	Support IEEE802.11i, 802.11g (Legacy) wireless operation standard
Channel data rates (802.11a/g)	802.11b/g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps
Frequency Band	2.400 GHz to 2.4835 GHz 5.150 GHz to 5.850 GHz — 1 to 13
Transmit Power	0 - 27dBm Programmable
Receiver Sensitivity (Typical)	-94 dBm @ 24Mbps -80 dBm @ 54Mbps
Security	64/128-bit WEP (Wired Equivalent Privacy) WPA & WPA-PSK &WPA2 -PSK(Wi-Fi Protected Access) MAC ID filter
Network Feather	
Advanced Firewall Features	Network Address Translation (NAT) State full Packet Inspection (SPI)
Media Access Control	CSMA/CA with ACK
Others	WiVPN, DHCP, DNS, DDNS, ICMP
HardWare Specificaton	
Size	Width 1.6 inches x Height 5.3 inches x Depth 3.7 inches
Weight	1.2lbs (543g)
Enclosure	Aluminum DIN-Rail
Interface	2×RJ45(10/100Mbps),1×Rs232, 3× SMA
Operation Temperature	-40°C - 70°C
Storage Temperature	-40°C - 85°C
Shock	IEC 60068 2-6 (20g, 3-Axis)
Vibration	IEC 60068 2-27 (5g, 10Hz to 150Hz)
Humidity	95% Maximum (Non-condensing)
Power	10-31VDC
Power consumption	Idle: 130mA@24VDC Max: 250mA@24VDC Average:160mA@12VDC
Humidity	Up to 95% RH, with no condensation
External Power PoE Injector	10 Vdc to 24 Vdc
Average Power Consumption	less than 9 Watts

At WitLinc Technology our mainly focus is to design and manufacture the best industrial data communication products, Provide a full range security solution of Industrial network, there are four categories in WitLinc Technology: WiRouter, WiCloud, WiGateway, WiSecurity; Four types of products involved in all aspects of the industry 4.0, we provide comprehensive product support and services to users.

WiRouter series products can provide service of remote access to users of product and system via industrial wireless; WiCloud can provide absolutely industrial private cloud solution and service; WiGateway can create a powerful connection between different Industrial networks; WiSecurity can make a safety isolation among different Industrial control system, provide users with the perfect solution to network security.

Developed technology, Excellent Quality, Absolutely satisfy...

WitLinc

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