



RoHS compliant

Wireless Client Adaptor

EW5300-WgN1

Technology

- Transparent between Ethernet to Wireless networking
- Metal housing and with standard DIN-Rail supported
- IEEE 802.11g 54Mbps wireless network connectivity
- Support UDP, TCP server and client protocol for Virtual COM mode and pair connection
- Configurable via built-in web server and Windows-based utilities
- Standard 2.4GHz 4dBi antenna or optional high gain antenna
- Upgradeable firmware via network

Reliability

- Removable 3-pin terminal block power input
- Operating temperature ranges from 0°C~65°C
- Rugged high-strength housing
- DIN-Rail or wall mounting ability

EW5300 Wireless Client Adaptor is a bridge between wireless LAN and Ethernet communications. There is one Ethernet port to connect to IEEE802.11g/b wireless network. The information transmitted by Wireless Client Adaptor is transparent to both host computers (IP network over wireless LAN) and device (Ethernet). Data from the wireless LAN is transmitted to the designated Ethernet port and data from Ethernet port is transmitted to the Wireless (TCP/IP) transparently.

By using EW5300, these devices can be communicated over a wireless network to send or receive information from e.g., a backend server or database. In the computer integration manufacturing or industrial automation area, Wireless Client Adaptor is used for field devices to direct connect to network.

Many control devices provide the ability to communicate with hosts through Ethernet, it's hard to transfer data through Wireless or long distance. With EW5300, it is possible to communicate with a remote device in the Intranet environment or even in the Internet and thus, increase the communications distance dramatically.

Flexible configuration options enable this unit to be setup remotely over IP network by Web browser, or Window utility. Packed in a rugged DIN Rail mountable case and 9~48V DC power input range, EW5300 is ideal for almost any industrial and manufacturing automation.

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Specifications	
Ethernet	
Compliance	IEEE802.3
Port	1-port
Transmission Rate	10/100Mbps Auto-detection
Connector	RJ-45
Auto MDI/MDI-X	Yes
WLAN	
Compliance	IEEE802.11g/b
WEP	64-bit / 128-bit data encryption
WPA	WPA/WPA2-PSK compatible (Supported TKIP / AES encryption)
Modulation	CCK, DQPSK, DBPSK, OFDM (11g)
Tx Power	11b: 15dBm / 11g: 14dBm
Rx Sensitivity	-66dBm@54Mbps / -80dBm@11Mbps
Transmission Rate	54Mbps (max.) with auto fallback
Transmission Distance	Up to 300 meters (@12Mbps in open areas)
Topologies	Infrastructure, Ad-Hoc
Antenna connector	Reverse SMA
Link Mode	
Others	Ethernet to WLAN Bridge
Power	
Input	DC 9~48V
Consumption	Max. 4.5 W (Tx Mode)
Environment	
Operating	0°C ~ 65°C (32° ~ 149°F)
Storage	-40° ~ 85°C (-40° ~ 185°F), 5 ~ 95%RH
Dimension	
W x H x D	45mm x 91mm x 80mm
Software	
Configuration	Web Page / Telnet / Windows utility
Virtual Com / DeviceView / Serial Manager	Atop Product Management tool(DeviceView)
Support Protocol	ICMP, TCP (UDP)/IP, DHCP Client, DNS, SNTP,SNMP, SMTP,HTTP,Telnet
Approvals	
FCC	FCC Part 15, Subpart B, Class B ANSI C63.4-2003
CE	EN 301 489-1 V1.8.1(2008-04) EN 301 489-17 V2.1.1(2009-05) EN 55022:2006+A1:2007,Class B EN 61000-3-2:2006(Not Applicable) EN 61000-3-3:2008(Not Applicable) EN 61000-4-2:2009 EN 61000-4-3:2006+a1:2008 EN 61000-4-4:2004 EN 61000-4-5:2006 EN 61000-4-6:2009 EN 61000-4-11:2004(Not Applicable)
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
RoHS	Lead(Pb) Free
MTBF	TBD
Warranty	5 years

Optional Accessories	
Antenna	HG055: 5.5dBi reverse SMA connector with 180cm cable HG090: 9dBi reverse SMA connector with 150cm cable
RF Cable	HG-C150AN: SMA(R) to N-male 150cm cable HG-C600N: N-male to N-female 600cm cable
Power Adapter	US315-12(US/EU): AC100~240V/DC12V 5.08mm pitch Terminal block
Ordering information	
1P1EW5300WG001G	IEEE802.11g wireless single 10/100Mbps Ethernet With
EW5300-WgN1(TB)	Terminal Block power connector

