

Device Networking Access



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.

Wireless Client Adaptor

➔ EW5300-WgN1

| Specifications | |
|-----------------------|---|
| System | |
| CPU | 32bit 150MHz RISC processor with MMU |
| Flash | 2+8MB(2MB for Bootloader) |
| RAM | 32Mbytes SDRAM |
| EEPROM | 2Kbytes |
| Watchdog | Hardware built-in |
| 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 compliance(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 |
| Topologies | Infrastructure, Ad-Hoc |
| Antenna connector | Reverse SMA |
| Power | |
| Input | DC 9~48V |
| Consumption | Max. 4.5W(Tx Mode) |
| Environment | |
| Operating | 0°C ~ 65°C (32°F~ 149°F) |
| Storage Temperature | -40° ~ 85°C (-40°F~ 185°F), 5~95%RH |
| Dimension | |
| W x H x D | 45mm x 91mm x 80mm |
| Software | |
| Configuration | Web Page / Telnet / Windows utility |
| Device View | For Windows |
| Support Protocol | ICMP, TCP (UDP/IP, DHCP Client, DNS, SNTP,SNMP, SMTP,HTTP,Telnet |
| Ordering Information | |
| EW5300-WgN1 | IEEE802.11g wireless single 10/100Mbps Ethernet With Terminal Block power connector |
| Regulatory 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 + HG-C150AN: 9dBi 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 / DC 12V ; 5.08mm pitch terminal block |

EW5300 Mechanical Dimensions(unit=mm)

