

# "Device-Wireless" Networking Access



## Wireless Serial-Ethernet Server

■ ■ GW51W-MAXI

- Single-port DIN-Rail Wireless model.
- Metal housing with IP50 standard.
- 15KV ESD protection for serial ports.
- IEEE 802.11b 11Mbps Wireless network connectivity.
- Support multiple link mode with TCP Server/Client, UDP and Virtual Com mode.
- Extend the distance of point-to-point serial connection.
- Selectable RS-232, RS-485, or RS-422 serial interface.
- Configurable via serial console Telnet, built-in web server, or Windows based utilities.
- Compact size enables it to fit anywhere and connects anytime.
- Optional High Gain Antenna.
- Upgradeable firmware via network.

The Wireless Industrial Serial-Ethernet Server GW51W-MAXI is a gateway between Ethernet (TCP/IP) and RS-232/RS-485/RS-422 communications. It allows almost any serial device to be connected to a new or existing Ethernet network. GW51W-MAXI offers wireless network interface (IEEE802.11b, 11Mbps) and one serial port.

By encapsulating serial data and transporting it over Wireless LAN, GW51W-MAXI offers full-duplex, bi-directional data transmission transparent between serial port and Wireless LAN.

In industrial and manufacturing automation fields, GW51W-MAXI is used for field devices to connect Wireless LAN through TCP/IP protocol directly. It is also specially designed for conjunction with PLCs, HMIs, Barcode Scanners, Data Terminals, Electronic Kanbans, Shop Floor Control Systems, and Pick-to-light systems.

Terminal Server (Main Control Program Executed in this unit) makes most use of Ethernet (Wireless LAN) connectivity to drive serial devices. It transforms whatever serial data received to TCP/UDP format then enables a host computer to drive the serial devices through the Wireless LAN and Ethernet.

Atop Virtual Com software provides existing Windows based applications to access serial-Ethernet devices by mapping to remote serial server over Ethernet.

Flexible configuration options enable this unit to be setup over Ethernet by Telnet, web browser, or other utility. Packed in a rugged Metal housing with DIN Rail-mountable case and 9~30VDC power input range, GW51W-MAXI is ideal for almost any industrial and manufacturing automation.

# Wireless Serial-Ethernet Server GW51W-MAXI

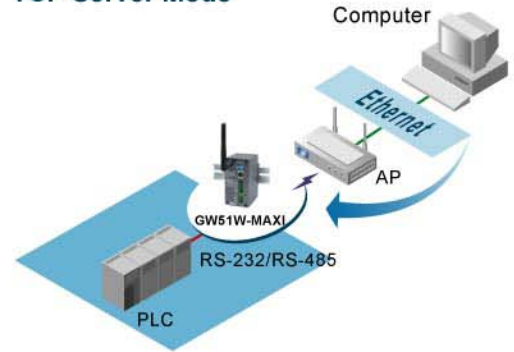
## Specifications

<b>CPU</b>	16-bit Embedded CPU
<b>Flash Memory</b>	512 KBytes
<b>EPROM</b>	512 KBytes
<b>EEPROM</b>	512 Bytes
<b>Network Interface</b>	IEEE802.11b 11Mbps Wireless LAN
<b>Network Protocol</b>	TCP/IP, UDP, SNMP Read, HTTP, Telnet, ARP, BOOTP, ICMP, DHCP, WEP
<b>Reset</b>	Built-in default key to restore the defaults
<b>Watch Dog Timer</b>	1.34 second hardware auto reset Internal power failure threshold: 4.75V
<b>Serial Interface</b>	One serial port, RS-232/RS-485/RS-422 is switch selectable
<b>Serial Connector</b>	5pin terminal block, 8 pin mini-DIN and DB9 male cable
<b>Serial Communication</b>	Data Rate: 1200~230400 bps Characters: 7 or 8 data bits Parity: None, Even, Odd, Mark, Space. Stop Bits: 1 or 2 Flow Control: Xon/Xoff, RTS/CTS
<b>LED Indicator</b>	LAN, RUN and COM
<b>Power Requirement</b>	9~30VDC, 200mA@12V.
<b>Temperature</b>	Operation: 0°C~60°C, Storage : -20°C~70°C
<b>Humidity</b>	20%~90% non-condensing
<b>Dimension</b>	76mm x 45mm x 91mm (D x W x H)
<b>Software</b>	Windows OS based Configuration Utility, Virtual Com software
<b>Configuration</b>	Web (HTML), Telnet, serial console and Configuration Utility

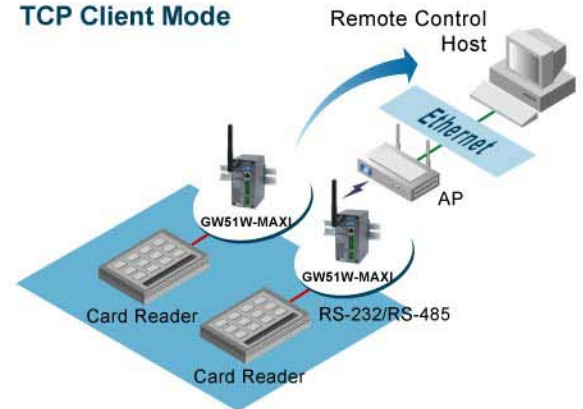
## Ordering Information (by Model)

<b>GW51W-MAXI</b>	Single-port (Default RS-232) Wireless serial-Ethernet server
<b>AD15-24C (US)</b>	AC100V~240V/DC24V, US Plug (optional)
<b>AD15-24D (EU)</b>	AC100V~240V/DC24V, EU Plug (optional)
<b>HG055</b>	5.5dBi antenna, SMA (R) Female connector with 180cm cable (optional)
<b>HG110</b>	11dBi antenna, SMA (R) Female connector with 60cm cable (optional)
<b>HG110-C600N</b>	N Male to N female connector with 600cm cable (optional)

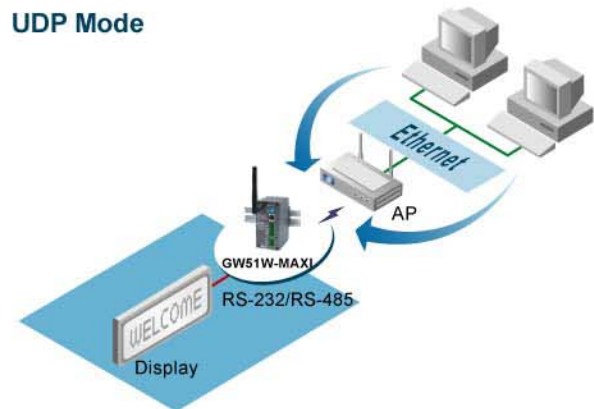
## TCP Server Mode



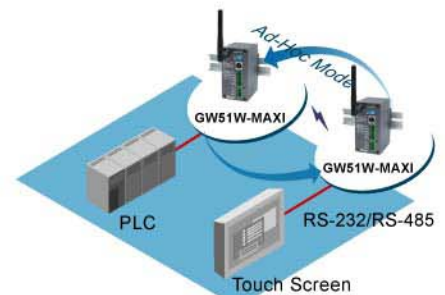
## TCP Client Mode



## UDP Mode



## Tunneling Mode



## GW51W-MAXI Front Panel

