

# Universal Industrial Gateway



Whether you are simply bridging two protocols or tackling more advanced integration challenges, Universal Industrial Gateway is the clear choice for value, ease-of-use, and flexibility.

## Key Features

### Communications made easy

- **Single solution:** 12 protocols, 6 ports, 1 gateway
- **No PLC programming:** No Ladder Logic to program. No I/O changes required.
- **Configurable:** Bridge only 2 protocols or many

### Easy-to-use

- **Browser based configuration:** No programming software to buy or install
- **Intuitive navigation:** Consistent configuration for any protocol
- **Context-sensitive Help:** Built-in help specific to the fields you're configuring

### Cost Effective

- **Cost competitive:** The functionality of multiple gateways for the price of one
- **Multiple ports:** Maximum device connectivity (Ethernet, RS-232, RS-485)
- **Field upgradable:** Ability to add protocols (via firmware upgrade)

# Available Models

**WP-G-222-P1**      **WP-G-222-P2**  
2 Serial / 2 Ethernet    2 Serial / 2 Ethernet

**WP-G-242-P1**      **WP-G-242-P2**  
4 Serial / 2 Ethernet    4 Serial / 2 Ethernet

**WP-G-UPG-P2**  
Upgrade -P1 model to -P2

**RJ45 to DB9 M, Serial Adapter Cable**  
1 per serial port included with each model

# Protocol Support

EtherNet/IP (Client/Server)  
EtherNet/IP-PCCC (Client/Server)  
Modbus TCP (Client/Server)  
Modbus RTU (Client/Server)  
Modbus ASCII (Client/Server)  
DirectNET (Client)  
CCM (Client)  
TI-HostLink (Client)  
DFI-PCCC (Full-duplex, P2P)\*  
DFI-CIP (Full-duplex, P2P)\*  
PPI (Client)\*  
S7comm (ISOTCP) (Client)\*

\*-P2 Models only

## Ethernet Interface

EtherNet/IP, ModbusTCP,  
EtherNet/IP-PCCC, S7comm  
2 Ports (Supports dual subnets)  
10/100 Mbps full duplex  
8-Pin RJ45

## Serial Interface

Modbus RTU, Modbus ASCII, DFI-CIP (FD),  
DF1-PCCC (FD), PPI, DirectNET, CM,  
TI-HostLink  
2- and 4-port options  
RS232 / 485 standards  
8-Pin RJ45

## Supported PLCs

**Rockwell Automation:** ControlLogix,  
CompactLogix, Micro800, , MicroLogix,  
SLC 500, PLC-5

**Schneider:** M340 & Quantum 140

**Siemens:** S7-200/300/1200/1500,  
SIMATIC TI305 & TI405

**Automation Direct:** DL05, DL06, DL205,  
DL305, DL405

**GE:** Series Five & Series Six

## Configurable Parameters

100 tag pairs/map  
Up to 50 tag maps  
Byte-Swap, Word-swap, Straight copy  
SINT, INT, REAL, BOOL, STRING, SHORT  
(SIGNED 16 BIT), USHORT (UNSIGNED 61 BIT),  
DNIT (SIGNED 32 BIT), UDNIT (UNSIGNED 32  
BIT), ARRAY

## Electrical / Environmental

Input voltage: 10-24 VDC  
Max baud rate: 115.2 kbps  
Operating temp: 0 – 55 C / 32 – 130 F

## Hardware and Dimensions

5.5 x 1.9 x 4.08 in.  
139.7 x 48.26 x 103.63 mm  
0.8 lb / 12.8 ounces / 0.36 kg  
DIN rail mounting with latch

## Compliance & Certifications

ROHS-compliant, ULc/UL Listed ANSI SIA  
12.12.01 (Class I, Div 2, Groups ABCD),  
CE EMC, ATEX, CCC, UKCA, FC