

# Digi One® IAP :: Industrial Device Servers

**Overview** :: Digi One IAP is a device server and industrial protocol bridge rolled into one. It is designed for industrial serial-to-Ethernet connectivity, protocol conversion and protocol interoperability, making it an ideal choice for industrial applications requiring specific industry protocol support and where device management and monitoring is critical.

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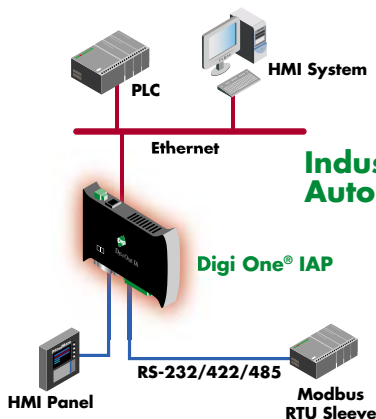


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## + Features ::

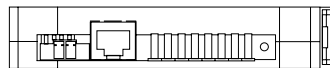
- Industrial serial-to-Ethernet converter and protocol bridge
- TCP/UDP and RealPort® COM/TTY redirector for remote COM port access – any serial protocol can be moved from device over the network to a PC
- Multi-master/multi-protocol concurrent support for Allen-Bradley and Modbus protocols
- Serial and Ethernet protocol bridging support for Allen-Bradley and Modbus protocols promotes interoperability
- ASCII to protocol translation for Allen-Bradley and Modbus
- Industrial DIN rail mounting
- RS-232/422/485 switch selectable including DB-9 and screw terminal connectors for added flexibility
- Second serial port can be used as a pass-through port
- Class 1, Div 2 rated
- Industry leading low latency
- NIST FIPS-certified (secure AES)
- SLL/TLS for encryption and authentication
- 5-year warranty



## + Specifications ::

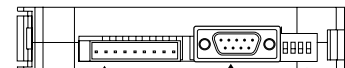
- 10/100Base-T Ethernet support
- Switch selectable RS-232/422/485 RJ-45 serial (Port 1)
- DB-9M and screw terminal block serial port
  - Can be enabled as second direct RS-232 port connection to device on screw terminal
- Baud rates up to 230 Kbps
- Protocol bridge support
  - Ethernet protocols: Modbus/TCP, EtherNet/IP, Allen-Bradley Ethernet
  - Serial protocols: ASCII, DF1, Modbus RTU/ASCII
- Multi-master support for above plus Omron serial protocols and user-defined
- TCP/UDP Socket Services
- Support for 64 concurrent socket connections
- Web-based browser configuration
- Patented RealPort technology
- RFC 2217 support
- SNMP (read/write)
- PPP
- DHCP/RARP, ARP-Ping, Static IP for IP address assignment
- Digi Port Authority – Remote management diagnostics and auto-discovery tool
- 35 mm DIN rail mounting
- 9-30VDC input
- 12 diagnostic LEDs
- <6 ms serial over Ethernet latency

Digi One IAP - Top



Power Input Ethernet  
(Screw Terminals)

Digi One IAP - Bottom



Serial Port DB-9M Serial DIP  
(Screw Terminals) Serial Switches

## Part Numbers ::

North America International

### Model

Digi One IAP

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