DIGI ONE® IAP

Serial-to-Ethernet connectivity, protocol conversion and protocol interoperability for industrial applications

Digi One IAP combines reliable serial-to-Ethernet connectivity with protocol conversion and interoperability. Users can IP enable a broad range of serial devices, as well as link two industrial devices. It is ideal for device management applications requiring specific industry protocol support.

Serial server functionality built into Digi One IAP allows any serial device to be connected to a TCP/IP network. Applications may communicate with the serial device using TCP/UDP or Digi’s patented RealPort® COM port redirector for remote native COM port access.

Digi One IAP supports a variety of serial and Ethernet protocols, allowing users to bridge serial and Ethernet devices, or both. Multi-master access allows multiple masters to communicate with a single slave across protocols. Digi One IAP converts ASCII data from serial devices to Ethernet protocols. An additional serial port can act as a pass-through port, allowing local devices to communicate with a slave unit without disrupting the serial-to-Ethernet connection.

**BENEFITS**
- 1 DB-9 serial port and additional pass-through port
- TCP/UDP and RealPort for COM/TTY port control and management
- 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
- Switch selectable RS-232/422/485 for simple interfacing to any type of serial device
- Tunable for low latency or optimized throughput

**APPLICATION EXAMPLE**

**RELATED PRODUCTS**
- DigiOne® IA
- DigiOne® IAP HAZ
- DigiOne® SP IA
- PostServer® TS MEI
- Power Supply 760007T86

**INDUSTRIAL SERIAL SERVER**

**DIGI ONE® IAP**

**Ethernet**

**HMI SYSTEM**

**PLC**

**RS-232/422/485**

**HMI Panel**

**Modbus RTU Slave**
**DIGI SERVICE AND SUPPORT** / You can purchase with confidence knowing that Digi is always available to serve you with expert technical support and our industry leading warranty. For detailed information visit www.digi.com/support.

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