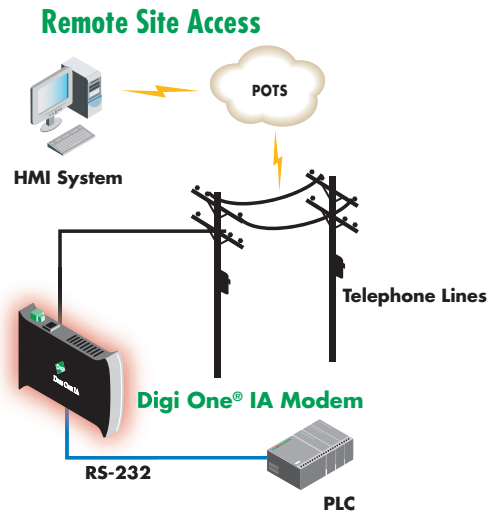# Digi One® IA Modem

Device Server

The Digi One IA Modem is a V.92 56K RS-232 external serial modem designed specifically for the needs of the industrial automation market. It is ideal for applications where access to industrial equipment via standard telephone lines is required.

Remote Site Access

HMI System
POTS
Telephone Lines
Digi One® IA Modem
RS-232
PLC

Features/Benefits

- **V.92 56K serial modem with advanced features**

- **Industrial DIN rail mounting for use in space-prohibitive control cabinets**

- **RS-232 9-pin serial for universal connectivity**

- **9-30VDC power with screw terminals for flexible power input**

- **Use in tandem with other Digi device servers for backup network connectivity**

- **Monitor, control or send alarms and events from a remote industrial device**

- **LEDs for all modem signals**

- **Modbus/RTU and Rockwell compatible**

Overview

The Digi One IA Modem makes it easy to remotely monitor, access and troubleshoot industrial equipment over standard telephone lines. For example, it can be used in Supervisory Control and Data Acquisition (SCADA) scenarios to monitor, control or collect event data from remote industrial devices. It is also valuable for remote troubleshooting. By connecting a Digi One IA Modem to a remote industrial device, any authorized individual can dial directly into a remote location to troubleshoot problems as they occur.

The Digi One IA Modem is a v.92 56K external modem with an RS-232 serial interface designed specifically for connection to remote, industrial-grade serial devices. Its thin DIN rail mount, 9-30VDC power input with screw terminal block connectors and 0°-60° C operating temperature enable it to perform reliably in control cabinets with PLCs, RTUs, flow meters or other controllers.

The Digi One IA Modem may also be used in tandem with other Digi device servers (such as PortServer® TS 2 or PortServer TS 4) for failover scenarios where serial-to-Ethernet connections are lost and a dial line backup is required.

Features/Specifications

FEATURES

- DIN rail form factor
- RS-232 serial connection
- 9-30VDC with screw terminals @ 0.5 mA max
- LED for all modem signals
- Ships with straight thru DB-9F to DB-9M cable
- Modbus/RTU and Rockwell compatible

ADVANCED MODEM FEATURES

- Extension pick-up detected
- Remote hang-up detection
- Line in-use detection

POWER REQUIREMENTS

- 9-30VDC @ 0.5 Amps max

  No power supply ships with this product.

DATA MODEM

- ITU-T V.92/K56flex (SC56), V.34 (SC56 and SC336), V.32bis, V.32, V.22bis, V.22, V.23, and V.21; Bell 212A and Bell 103
- V.42 LAPM and MNp 2-4 error correction
- V.42bis and MNP 5 data compression
- Configurable auto-answer

DIMENSIONS

- Length: 4.70 in. (12.00 cm)
- Depth: 4.00 in (10.10 cm)
- Width: 0.90 in. (2.30 cm)
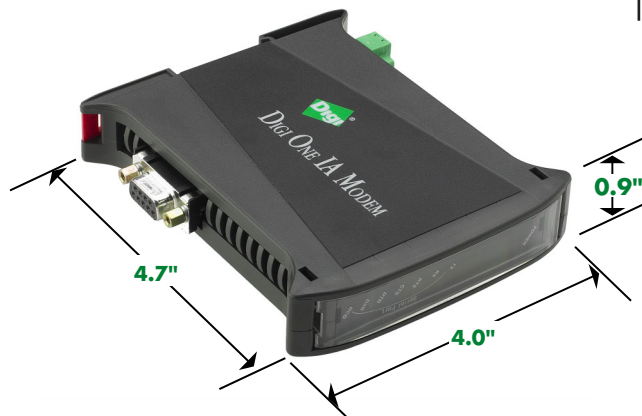- Weight: 2.25 oz (64.00 g)

REGULATORY APPROVALS

- FCC Part 15, Class B
- FCC Part 68
- UL/CUL 60950
- CE, EN 60950
- EN 55024
- EN 55022

ENVIRONMENTAL

- Operating temperature: 0° C to 60° C (32° F to 140° F)
- Relative Humidity: 5% to 90% (non-condensing)

FAX MODEM

- ITU-T V.17, V.29. V.27ter, and V.21 ch.2
- EIA/TIA 578 Class 1 and T.31 Class 1.0 commands
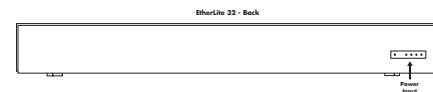- EIA/TIA 578 Class 2 commands

0.9"

4.7"

4.0"

Digi One IA Modem - Top

Power Input (Screw Terminals)   RJ-11 Modem   Reset Button

EtherLite 32 - Back

Power Input

MODEL.....................PART NUMBERS

Model	North America	International
Digi One IA Modem	70001876	70001876

WHEN RELIABILITY MATTERS™

Digi International, the leader in device networking for business, develops reliable products and technologies to connect and securely manage local or remote electronic devices over the network or via the web. With over 20 million ports shipped worldwide since 1985, Digi offers the highest levels of performance, flexibility and quality.

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