Digi One® IA Modem

Industrial Serial Modem

Serial modem connectivity for industrial automation applications.

Overview

The Digi One IA Modem provides reliable, cost-effective remote access to industrial equipment. Users can quickly and easily access, control or collect event data from RS-232 serial devices using standard telephone lines.

This compact, rugged v.92 56K external modem is designed specifically to connect Programmable Logic Controllers (PLCs), Remote Terminal Units (RTUs), flow meters and other remote, industrial-grade serial devices. Used in tandem with other Digi serial servers, the Digi One IA Modem is ideal as a failsafe dial line backup for serial-to-Ethernet connections.

Installing the Digi One IA Modem is quick and easy. Simply attach the modem to the DIN rail and connect the power supply, phone line and serial cable. Then install the hardware, configure the device and begin communicating.
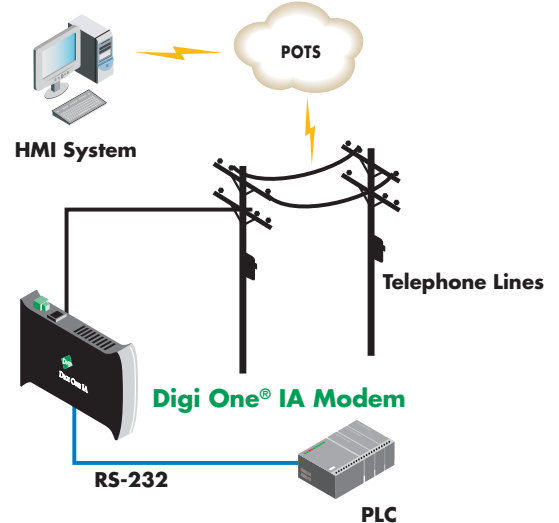
Target Applications

Industrial Automation

Application Highlight

Remote Site Access

HMI System

POTS

Telephone Lines

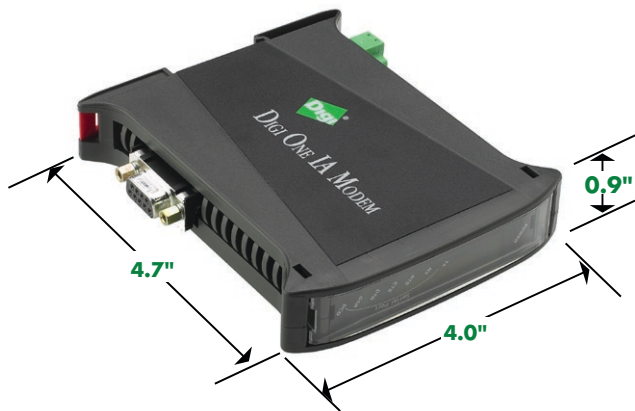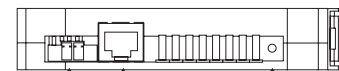**Digi One® IA Modem**

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 port for universal connectivity
- 9-30VDC power with screw terminals for flexible power input
- Use in tandem with other Digi serial 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

Specifications	Digi One® IA Modem
Features	
Advanced Modem Features	Extension pick-up detected, Remote hang-up detection, Line in-use detection
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
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
Interfaces	RS-232 serial connection
Cable	Ships with straight-through DB-9F to DB-9M cable
Status LEDs	All modem signals
Mounting	DIN rail form factor
Dimensions (L x W x D)	4.70 in x 0.90 in x 4.0 in (12.00 cm x 2.30 cm x 10.10 cm)
Weight	2.25 oz (64.00 g)
Power Requirements	
Power Input	9-30VDC @ .5 Amps max
Power Connector	Screw terminal block power jack
Environmental	
Operating Temperature	0° C to 60° C (32° F to 140° F)
Relative Humidity	5% to 90% (non-condensing)
Regulatory Approvals	
Safety	UL 1950, CSA 22.2 No 950, CE and EN 60950
Emissions/Immunity	FCC Part 15 (Class B), FCC Part 68, EN55024 and EN55022

0.9"

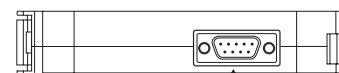**4.7"**

4.0"

Digi One IA Modem - Top

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

Digi One IA Modem - Bottom

DB-9M

Visit www.digi.com for part numbers.

Digi®