

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.

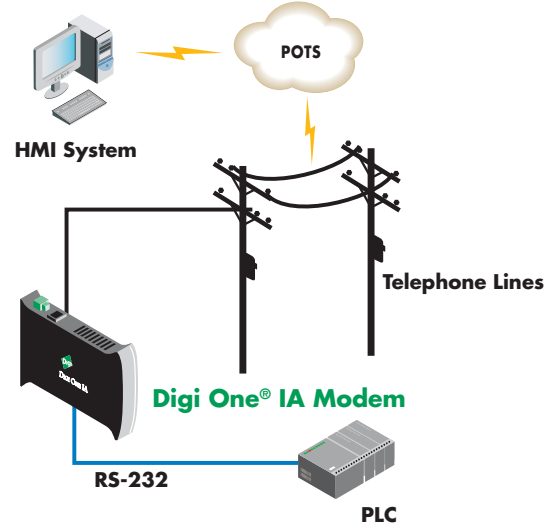
Target Applications



Industrial Automation

Application Highlight

Remote Site Access

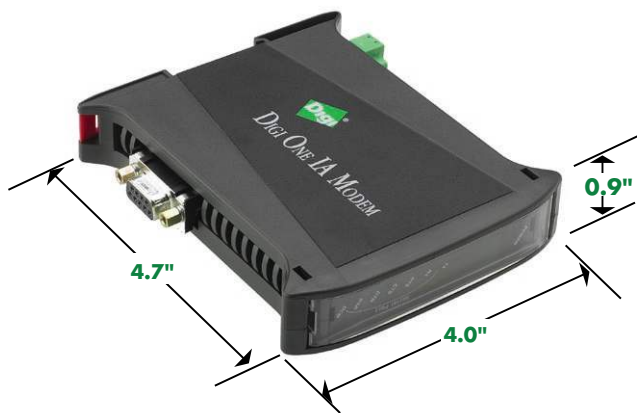


Features/Benefits

- 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



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

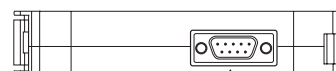


Digi One IA Modem - Top



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

Digi One IA Modem - Bottom



DB-9M

Visit www.digi.com for part numbers.

DIGI SERVICE AND SUPPORT - You can purchase with confidence knowing that Digi is here to support you with expert technical support and a strong five-year warranty. www.digi.com/support

Digi International
877-912-3444
952-912-3444
info@digi.com

Digi International France
+33-1-55-61-98-98
www.digi.fr

Digi International KK
+81-3-5428-0261
www.digi-intl.co.jp

Digi International (HK) Limited
+852-2833-1008
www.digi.cn

BUY ONLINE • www.digi.com

91001185
D1/809

© 1999-2009 Digi International Inc. Digi, Digi International, the Digi logo and Digi One are trademarks or registered trademarks of Digi International Inc. in the United States and other countries worldwide. All other trademarks are the property of their respective owners.

