PRODUCT PROFILE

Remote Access Modem Kits

Remote Connection Solutions For Your Control Systems

Serial Modems

- Designed for use in industrial environments
- Compact design uses only 2 inches of DIN rail space
- Flexible power requirements
- Phone line connection speeds up to 56K
- Multiple cables and adaptors are provided for connection to a variety of control system components
- Remote configuration (allows reconfiguration of a remote modem to match changes in the control system)
- Password protection, password with callback and Caller ID (protects control systems from unauthorized access)
- Profile selection switches (allow preprogrammed profiles to be selected without connecting to a computer)

Ethernet Modems

- Designed for use in industrial environments
- Compact design uses only 2 inches of DIN rail space
- Flexible power requirements
- Phone line connection speeds up to 56K
- Data compression increases phone line throughput by 40%
- 17 diagnostics LEDs report system status and network activity
- VLAN capability reduces network traffic
- Network debugging with port mirroring and port diagnostics
- IGMP Snooping to minimize network traffic
- Dial-out capability to route packets to other networks
- Multiple levels of security:
- DHCP/BOOTP server (services up to 30 nodes on your network)

Remote Access Modem Kits are specifically designed for remote connection to control systems and include everything you need to easily connect the first time, and every time.

Remotely connecting to a control system using an off-theshelf, computer store modem can often be a difficult task.

Remote Access Dial-in Ethernet Modems allow you to quickly connect to your remote Ethernet network from any standard phone line, improving your ability to respond to critical situations without actually being on site. Now you can eliminate those weekend trips to the plant, or costly travel to field locations.

From home, your office or another facility, you can easily:

- Perform diagnostics
- Make program changes
- Upload and download new programs
- Update firmware
- Collect data
- Monitor system status

Allen-Bradley • Rockwell Software

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Specifications

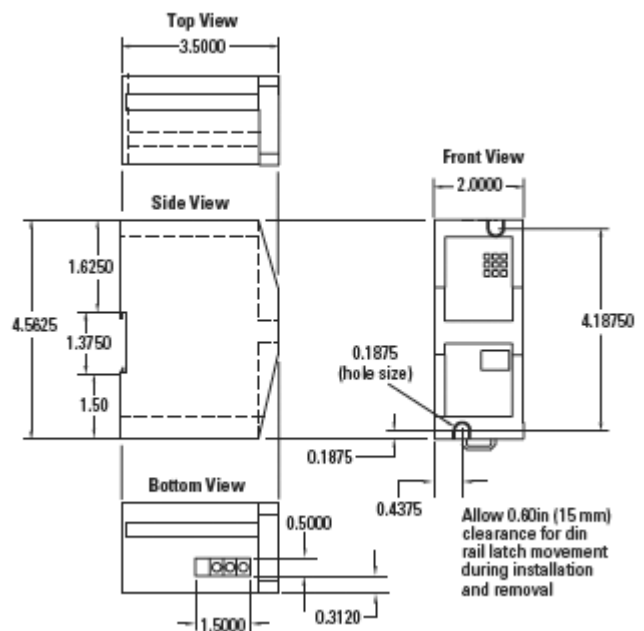|	9300-RADES Remote Access Dial-in Ethernet Modem	9300-RADKIT Remote Access Dial-in Modem	9300-RAPMKIT Remote Access Paging Modem
Environmental:			
Operating Temperature:	0 TO 60º C (32 TO 152º F)		
Storage Temperature:	-20 TO 70º C (-4 TO 158º F)		
Weight:	1.5 LBS.		
Compliance:	FCC part 68, Part 15-class a, UL/CSA/IC Certified, CTR 21, CE, UL Class 1 Div 2 Hazardous	FCC part 68, Part 15-class b, UL/CSA/IC Certified, CTR 21, UL Class 1 Div. 2	FCC part 68, Part 15-class b, UL/CSA/IC Certified, CTR 21
Power Requirements:	8 to 48VDC (200 mA at 24V, 300mA max)	8 to 48VDC (100 MA at 24V, 200MA at 12V)	
Network Ports:	4 RJ-45 10/100 full/half duplex jacks		
DTE Rates (Asynchronous):	Host to DSP - Internal high speed serial interface	230.4K,115K,57.6K, 38.4K, 19.2K, 9600, 4800, 2400,1200 and 300 bps	
Line Rates (V90):	56K thru 28K bps		
Line Rates (V.34):	28.8K thru 2400 bps		
Error Control/Data Compression:	V.42, V.42bis MNP Classes 3,4		
Phone Interface Connection:	RJ11C		
Phone Line Requirements:	Unconditioned PSTN dial-up		
Transmit Level:	Dial Line: -10dBm fixed		
Carrier Detect Threshold:	-10 to -43dBm		
Switch Characteristics:	VLAN, QoS, IGMP, Port Mirroring		
Routing Characteristics:	Automatic Dial-Out, DHCP, BOOTP, PAP, CHAP		
Protocols:	TCP/IP, PPP, RIP, NAT, Telnet, FTP, DHCP, BOOTP		
Switches:		4 Default Profile Selection Switches, Power Switch	
Facsimile Compatibility:		ITU Group 3 fax machines and fax modems, ITU V.17, V.29, V.27ter, V.21Channel 2, T.30, T.4, EIA-578 Class 1 compatibility for fax software	
Facsimile Operating Speeds:		Send/receive: 14,400 bps to 2400 bps	
Accessories:	Quick Start Guide, AC Adapter, 6 ft. Patch Cable, Phone line cable	Quick Start Guide, AC Adapter, Serial cable kit, Phone line cable	

Ordering

To order a Remote Access Modem kit use the appropriate part number above.

More Information

For more information about Remote Access Modems, contact your local Rockwell Automation sales office or authorized distributor, or visit:

http://support.rockwellautomation.com/modem

Top View — 3.5000

Side View — 1.6250, 4.5625, 1.3750, 1.50

Bottom View — 1.5000, 0.5000, 0.3120

Front View — 2.0000, 4.18750, 0.1875 (hole size), 0.1875, 0.4375

Allow 0.60in (15 mm) clearance for din rail latch movement during installation and removal

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