

General Purpose Industrial Modem: SixNet VT-MODEM-1

SIXNET Industrial Modems Make Your Job Easier

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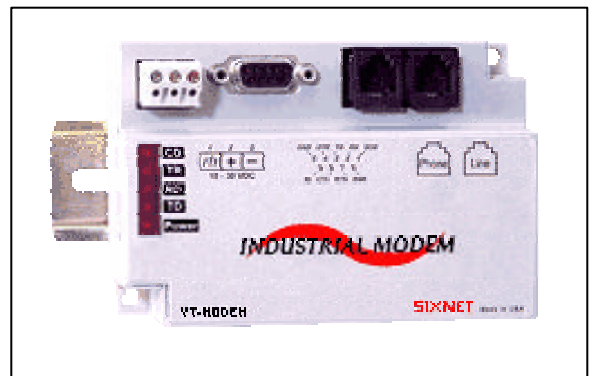
This information from website 08/06/01, prices & info subject to change

http://www.industrialmodem.com/pages_modems/modem_generalpurpose.htm

Select a VT-MODEM-1 when...

...you need an industrially hardened modem that will reliably:

- Remote access a PLC or field instrument
- Replace an existing 1200, 2400 or 9600 baud modem
- Interface to SIXNET I/O modules or controllers



Key Features

- 100% Windows software compatible
- Industrially hardened modem. Rated for -30 to 70°C operation and Class I, Div 2 (Zone 2) hazardous locations
- Powered directly from any 10-30 VDC source
- DIN rail or flat panel mounting. Convenient installation in any enclosure
- Five year ISO 9001 certified support policy. Long-term support for OEMs and end users
- Works with all brands and models of PLCs
- Modem Setup Wizard makes configuring the modem a snap

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Telephone Line Specifications	
Max. Data Rate	33.6 kbps (V.34)
Compatibility	V.34, V.32 bis, V.32, V.22, V.22A/B, V.23, V.21, Bell 212A and 103
Data Compression	V.42 bis MNP 5
Error Correction	V.42 MNP 2-4
Max. Fax/Modem Rate	14.4 kbps
Fax/Modem Capabilities	Group 3 (V.33, V.17, V.29, V.27 ter, V.21 channel 2)
Ringer Equivalent	0.3
Line Jack	RJ11
Phone Jack	RJ11
RS232 Specifications	
Max. RS232 Rate	115.2 kbps
RS232 Signal Support	TXD, RXD, CTS, RTS, DCD, DTR, DSR, RI, GND
RS232 Connector	DB9 female
Command Set	All standard AT and S register commands, including Class 1 and Class 2 Fax commands
General Characteristics	
Input Power	10-30 VDC
Input Current	65 mA @ 24 VDC (typical), 26 mA (low power mode)
Flammability (module plastic)	UL 94V-0 materials
Telecom	FCC part 68, Industry Canada C S03-8, CTR21 (98/482/EC); ACA TS 001-1997; ACA TS 002-1997
Electrical Safety	UL 508, CSA C22.2/14; EN61010-1 (IEC1010), CE; IEC950:1991, AS/NZS3260-1993
EMI Emissions	FCC part 15, ICES-003, Class A; EN55022, CE; AS/NZS3548-1995
EMC immunity	EN50082-1 (IEC801-2, 3, 4), CE
Surge withstand	IEEE-472 (ANSI C37.90)
Vibration	IEC68-2-6
Hazardous locations	UL 1604, CSA C22.2/213-M1987, (Class 1, Div 2, Groups A, B, C, D), Cenelec EN50021 (EEx nA II

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Operating Temperature	-30° to 70°C
Storage Temperature	-40° to 85°C
Humidity	5% to 95% RH (non-condensing)
Mounting	DIN rail or panel mount
Dimensions	3.23W x 4.75L x 1.35H inches (8.2W x 12.1L x 3.4H cm)

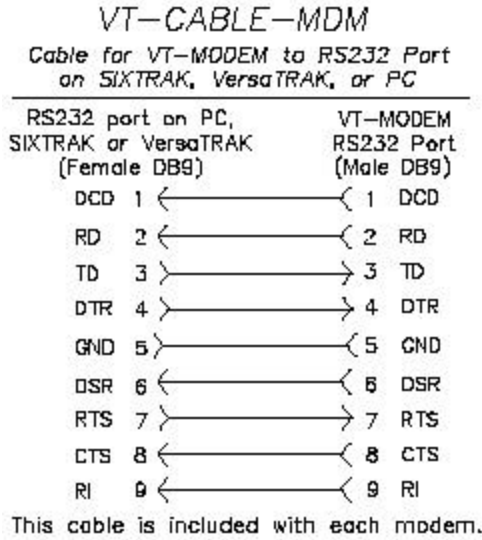
Usage Tips

- Use the Setup Wizard supplied with SIXNET Industrial Modems to quickly configure your industrial modem for your application. You can download this free software from this web site.
- Pre-configured setups for common applications are provided with the Modem Setup Wizard. Select "Open Configuration File" on the first screen of the Wizard.
- Most industrial equipment expects to communicate at a fixed baud rate. In most situations, it is best to use this baud rate when configuring the modem from your PC, because the modem remembers the last baud rate used for communication. You may also wish to set the modem to use a fixed baud rate.

If your industrial equipment uses a timing dependent protocol (looks for gaps between messages) you will probably want to disable data compression and most error checking features in the modem. Best results with most PLC are attained with straight through, unaltered communications.

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Wiring & Mechanical Diagrams



Modem (DCE) RS232 Port	
Pin	Signal
1	DCD out
2	RD out
3	TD in
4	DTR in
5	Sig GND
6	DSR out
7	RTS in
8	CTS out
9	RI out

