

Industrial Rack Modem

TR-36B

- ⌘ Rack based legacy remote access solution
 - Traditional AT-command modem with 2-/4-wire lease line support
 - Up to 11 bit RS-232/RS-422/485 up to 115.2 kbit/s
 - V34 with fast connect, V32bis, V22bis, V23HDX/FDX + multidrop support
- ⌘ Robust industrial solution for head end applications on industrial sites
 - Extended temperature -25°C to 70°C (-13°F to 158°F)
 - Extensive EMC approvals and tri-galvanic isolation
 - Watchdog and remote configuration
- ⌘ Secure and resilient non internet based remote access
 - Secure call back and access
 - Caller ID presentation and answering
 - PSTN backup for lease line
- ⌘ Easy to use
 - Simple DTR and data dialling
 - DIP switch configuration and TD-tool configuration software
 - RS-232, 9-pin D-sub and screw terminals



EN 50121-4
Railway Trackside

EN 61000-6-2
Industrial Immunity

EN 61000-6-4
Industrial Emission

The TR-36B is an industrial rack based modem designed to allow cost effective and simple remote access to legacy serial industrial equipment. The AT command driven modem is capable of synchronising with a wide range of traditional modem negotiation standards providing data rates up to 33.6 kbit/s over both PSTN and 2- or 4-wire lease line circuits.

Designed to be mounted in the RV-07B rack in industrial locations these modems can operate in extremes of temperature and electromagnetic field. The complete galvanic separation of all interfaces ensures earth loops and transients do not interfere with communication. Up to 16 TR-36B modems can be mounted in one rack.

Firewalls are not an issue as data does not use the Internet and with call back security it is impossible for either accidental or deliberate access to any equipment attached to the modem. To provide resilience a second line interface allows a PSTN connection to be established in the event of a lease line failure.

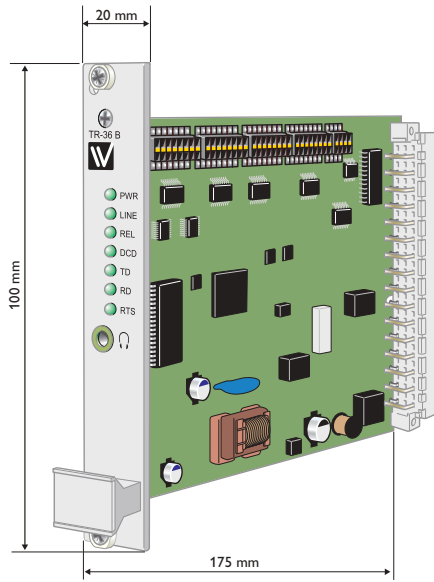
The modem is also simple to configure using the Westermo TD-tool software; standard commands can easily be entered, and saved configurations downloaded. RS-232 connections can be made using screw connections as well as the standard D-sub. The modem is designed to be connected to devices with no ability to control dialling so special functions like data dialling and DTR dialling are provided to enable these devices to automatically establish connection.

Ordering Information

Art.no	Description
3614-0510	TR-36B
3130-3010	Rack RV-07B
3120-3101	PS-20 HV power supply

Specifications TR-36B

Dimensional drawing



Dimension W x H x D 20 x 100 x 175 mm (0.78 x 3.93 x 6.88 in)
 Weight 0.14 kg
 Degree of protection IP 20

Power	
Operating voltage	10 to 60 VDC
Rated current	130 mA @ 12 VDC 63 mA @ 24 VDC 40 mA @ 48 VDC

Interfaces	
Connected to rack RV-07B	

Temperature	
Operating	-40 to +70°C (-40 to +158°F)
Storage & Transport	-40 to +70°C (-40 to +158°F)

Agency approvals and standards compliance	
EMC	EN 61000-6-2, Immunity industrial environments
	EN 55024, Immunity IT equipment
	EN 61000-6-4, Emission industrial environments
	FCC part 15 Class A
	EN 50121-4, Railway signalling and telecommunications apparatus
	IEC 62236-4, Railway signalling and telecommunications apparatus
Safety	EN 60950-1, IT equipment
PSTN	ETSI TS103 021-1, ETSI TS103 021-2, ETSI TS103 021-3