Ethernet Router

ED-200

⠿ Remote connectivity between sites saving time and money
  • Ideal when DSL circuits are unavailable
  • Can be combined with external PSTN, ISDN or GSM modems
  • Dial up solution avoiding Internet technolog

⠿ Remote Ethernet access for Industrial applications
  • 4 port managed Ethernet switch for access to industrial equipment
  • PPP dial in or dial out on serial port
  • Firewall filtering to manage bandwidth and provide security

⠿ Designed for use in harsh industrial applications
  • Dual 10 – 60 VDC power input
  • Total galvanic isolation
  • Transient protection and watchdog

⠿ Robust for long service life
  • 558,000 hours MTBF to MIL-HDBK-217K
  • –25 to +65°C (–13 to +149°F) with no moving parts
  • Industrial EMC, shock and vibration testing

CE FC Part 15

EN 61000-6-2
Industrial Immunity

EN 61000-6-4
Industrial Emission

EN 50121-4
Railway Trackside

The ED-200 is an industrial Ethernet remote access router designed to simplify connection to sites using external PSTN, ISDN or GSM modems. Using this older technology, links can be created without the need to use the Internet which ensures improved security of the system.

A 4 port managed switch allows several industrial units (PLCs, HMIs or drives) to be connected locally. The unit can act either as a dial in or dial out PPP router to provide the remote connections. A simple port level IP firewall allows unwanted traffic to be filtered which can add to security, but can also ensure that unwanted traffic is not passed through the low bandwidth modem connection.

The wide power range, galvanic isolation on all ports and compact design make it ideal for easy installation in industrial applications.

Only industrial grade components are used which gives the ED-200 an MTBF of 558,000 hours and ensures a long service life. A wide operating temperature range of –25 to +65°C (–13 to +1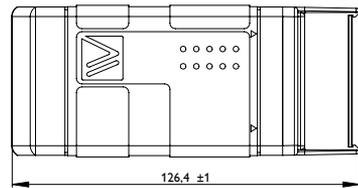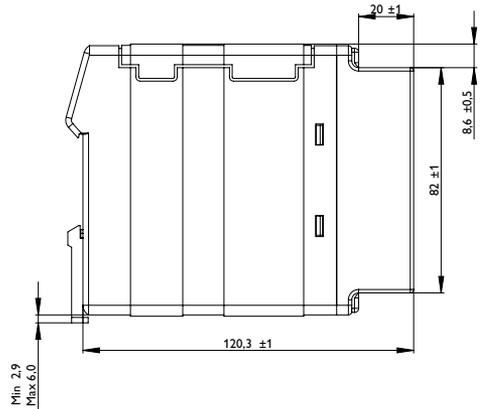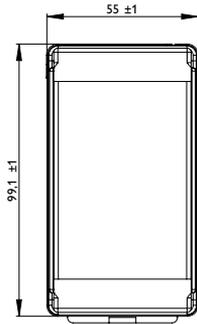49°F) can be achieved with no moving parts. The ED-200 has been tested both by Westermo and external test houses to meet many EMC, isolation, vibration and shock standards, all to the highest levels suitable for heavy industrial environments and rail trackside application.

Ordering Information

Art.no	Description
3609-5010	ED-200
3125-0001	PS-30, Power supply, DIN mounted (Accessories)

Specifications ED-200

Dimensional drawing

55 ±1
99,1 ±1

20 ±1
8,6 ±0,5
82 ±1
120,3 ±1

Min 2,9
Max 6,0

126,4 ±1

Dimension W x H x D	55 × 100 × 132 mm (2.16 × 3.93 × 5.19 in)
Weight	0.3 kg
Degree of protection	IP 20

Power	
Operating voltage	10 to 60 VDC
Rated current	360 mA @ 12 VDC 180 mA @ 24 VDC 100 mA @ 48 VDC

Interfaces	
RS-232	1 × 9-pin D-sub (male), 300 bit/s to 115.2 kbit/s
RS-422	1 × 4-position detachable screw terminal, 300 bit/s to 115.2 kbit/s
Ethernet TX	4 × RJ-45, 10 Mbit/s, 100 Mbit/s

Temperature	
Operating	–25 to +65°C (–13 to +149°F)
Storage & Transport	–25 to +70°C (–13 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