

EA-232 SERIAL ETHERNET ADAPTER

PRODUCT DATASHEET

The Serial Ethernet Adapter EA-232 permits direct connection of NES¹ DC-1000 and DC-1000/SL Data Concentrators² to IP Networks and enables fully automatic registration of NES Data Concentrators at the utility central service.

FEATURES

- Equipped with an RJ-45 Ethernet interface
- Compatible with NES DC-1000 and DC-1000/SL Data Concentrators
- Enables fully automatic registration of NES Data Concentrators at the utility central service
- Powered by NES Data Concentrator; no additional power supply required
- Integrated RS-232 interface fully supports NES Data Concentrator capabilities
- Supported protocols: ARP, UDP/IP, TCP/IP, Telnet, DHCP, ICMP, PPP, NAT, TFTP
- Operates either as a Bridge or a Router
- Simple plug and play installation
- LED indicators provide power, link and activity status
- Supports 10/100 Mbps Auto-Sensing
- Fits into the modem bay of NES DC-1000/SL Data Concentrators
- CE marked, UL listed, FCC approved



ORDERING INFORMATION

Product	EA-232 SERIAL ETHERNET ADAPTER
Model number	80010-000400

SPECIFICATIONS

Functional Specifications

Serial interface	RS-232 interface, 9 pin D-SUB, DCE
Network interface	RJ-45 Ethernet, 10/100Mbps Auto-sensing
Network protocols	ARP, UDP/IP, TCP/IP, Telnet, DHCP, ICMP, PPP, NAT, TFTP
Operating modes	Operates either as a Bridge or Router
Power supply	9-28VDC, max. 150 mA, RJ-11 connector
LED indicators	Power, link and activity status

Mechanical Specifications

Enclosure	Metallic enclosure, IP 30
Dimensions	60 x 88 x 24 mm (not including mounting brackets) 82 x 88 x 24 mm (with mounting brackets)
Mounting	Designed for wall mounting and via optional accessories for 35 mm DIN rail mounting

Environmental Specifications

Temperature range	-40 °C to +85 °C operating temperature range -40 °C to +85 °C limit for storage and transport
Humidity	≤ 95% relative humidity, non condensing
Electrostatic discharge	8 kV air, 4 kV contact
Network protection	1.5kV magnetic isolation
EMC compliance	EN/IEC 55022, EN/IEC 55024, CISPR 22, FCC Part 15
Safety compliance	EN/IEC/UL 60950-1
Certifications	CE marked, UL listed, FCC approved

¹ NES is a trademark of Echelon Corporation

² Data Concentrators DC-1000 and DC-1000/SL are products of Echelon Corporation