
EA-232 SERIAL ETHERNET ADAPTER

PRELIMINARY DATASHEET

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

FEATURES

- Equipped with an RJ45 Ethernet interface
- 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
- 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 Data Concentrators
- CE marked

¹ NES is a trademark of Echelon Corporation

² NES Data Concentrators are products from Echelon Corporation

ORDERING INFORMATION

Product	EA-232 ETHERNET ADAPTER
Model number	80010-000400

SPECIFICATIONS

Functional Specifications

Serial interface	1 serial port, RS-232, DCE interface, 9 pin D-SUB
Network interface	RJ45 Ethernet. 10/100Mbps Auto-sensing
Network protocols	ARP, UDP/IP, TCP/IP, Telnet, DHCP, ICMP, PPP, NAT, TFTP
Power supply	Via RJ-11 connector, 9-30VDC
LED indicators	Power, link and activity status

Mechanical Specifications

Enclosure	Metallic enclosure, IP 30
Dimensions	80 x 52 x 25 mm
Mounting	Optional accessories for walls and 35 mm DIN rail mounting

Environmental Specifications

Temperature range	-40 °C to +70 °C operating temperature range -40 °C to +70 °C limit for storage and transport
Humidity	≤ 95% relative humidity, non condensing
Electrostatic discharge	15 kV air, 8 kV contact
Network protection	1.5kV magnetic isolation
Approvals	EN 55022, EN 55024
Certifications	EN 60950-1, CE marked