



Solutions for underground mines and tunnels

Ethernet Gateway

Model Number: MTX-EGW-200

RS-232 connection with a MineTrax Network Infrastructure Node

TCP/IP/Ethernet connection with Central Server

Wi-Fi hot spot (option)

COMMUNICATIONS

- Packets received on RS-232 port from MineTrax Network Infrastructure Node are forwarded on Ethernet port to Central Server
- Packets received on Ethernet port from Central Server are forwarded on RS-232 port to MineTrax Node for routing to destination node

POWER SUPPLY

- Electrical interface: 5 VDC regulated power (120 VAC / 5 VDC power adapter and cable included)
- Energy consumption: 400 mA @ 5 VDC typical

PHYSICAL CHARACTERISTICS

- Operating temperature: -40°C to +70°C
- Weatherproofing: IP65
- Dimensions: 180 mm x 120 mm x 60 mm + Connectors/Cables

INSTALLATION & INTEGRATION

Installation procedure overview

- Connect to LAN via Ethernet port
- Connect to MineTrax Network Infrastructure Node via RS-232 port
- Connect power supply

Configuration

- IP parameters for connection to Central Server can be set via a telnet connection through Ethernet port of Gateway

Internetworking with existing infrastructure

- Leaky feeder: connect the Ethernet Gateway installed at the head end to a MineTrax Infrastructure Node underground via RS-232 through a set of VHF/UHF data modems (accessories and data modems sold separately)
- Fiber/Ethernet: connect Ethernet Gateway to LAN with Ethernet cable and to a MineTrax Infrastructure Node with RS232 cable (accessories and cables included)