

TSM-1112

Tetra SCADA modem

Introduction

The TSM-1112 enables simple, intelligent connectivity and data transmission for SCADA over Motorola Dimetra network. Supports Modbus, DNP3 and IEC 60870-5-104 protocols.*

User friendly and secure configuration management for seamlessly integration in existing system. Built-in connection awareness and recovery without user intervention in case of power failure or loss of Tetra coverage. Convenient LED indicators for operational and connectivity status. Small dimensions and easy mounting. Low power requirements (can share same power supply with Tetra terminal). Tetra terminal remains available for voice communication along with TSM-1112.

* Protocol must be specified when ordering

Specification

Ethernet Ports: Auto-sensing 10/100 Mbps ports (RJ45 connector)

Serial Ports: RS-232 (DB9 male)

Dimensions: (with ears) 73 x 80 x 28 mm (2.87 x 3.15 x 1.10 in)

Dimensions: (without ears) 50 x 80 x 28 mm (1.97 x 3.15 x 1.10 in)

Weight: 190 g (0.42 lb)

Housing: Metal

Installation: Wall mounting

LED Indicators: System Power x 1

LAN: 2 per port (10/100 Mbps)

Serial: 2 per port (Tx, Rx)

Link status (on, off, blink)

Operating Temperature: -10 to 60°C (14 to 140°F)

Storage Temperature: -20 to 70°C (-4 to 158°F)

Ambient Relative Humidity: 5 to 95% (non-condensing)

Shock: IEC 60068-2-27

Vibration: 2 Grms @ IEC 60068-2-64, random wave, 5-500 Hz, 1 hr per axis

Input Voltage: 9 to 48 VDC

Input Current: 0.45 A @ 9 VDC, 0.084 A @ 48 VDC

Power Consumption: 4 W

MTBF Time 1,360,496 hrs

Standards Telcordia (Bellcore) Standard TR/SR

Standards and Certifications

EMC: EN 55032/35

EMI: CISPR 32, FCC Part 15B Class A

EMS:

IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV

IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m

IEC 61000-4-4 EFT: Power: 1 kV; Signal: 0.5 kV

IEC 61000-4-5 Surge: Power: 0.5 kV; Signal: 1 kV

IEC 61000-4-6 CS: 3 V

IEC 61000-4-8 PFMF

Safety: IEC 60950-1, UL 60950-1

Green Product: RoHS, CRoHS, WEEE



Certifications

