

NM802

Rugged Industrial Gigabit PoE Network



Overview

The NM802 Rugged Industrial Gigabit PoE Network Managed Switch is designed for integration into industrial networks for various purposes. Flexible adjustment of this network switch makes it possible for you to solve a wide range of tasks.

Features

- Ext. I/Fs: 10/100/1000Base-T 10 p., 10/100/1000 Base-BX 6p;
- Network standards: IEEE 802.3, 802.3i, 802.3u, 802.3z, 802.3ab;
- Connection to 1000Base-T/1000Base-BX: full and half duplex;
- Support of RMON (RFC1271): statistics, history, alarm, event;
- Support of aggregating the communication lines of the IEEE 802.3ad standard;
- Power supply: double-line DC network with a voltage of $27^{+1.5}_{-4.5}$ V;
- Power consumption: no more than 50W;
- Operating temperature range: from -40° C to $+55^{\circ}$ C;
- MTBF: No less than 100,000 hours;

Technical Specifications

External interfaces

- 10/100/1000 Base-T – 10 ports;
- 10/100/1000 Base-BX – 6 ports.

LED indication

- Indication of successful activation and passing of self-testing;
- Indication of the state of generalized error character;
- Indication of the connectivity and activity for each of the ports;

Connection to 1000Base-T/1000Base-BX

- Full duplex, half duplex;

Control interface

- ICLI (Industrial Command Line Interface) outband management via RS232;
- Inband management SSH, Web, SNMP v1/v2c/v3 agent, Telnet;

Support of network standards

- IEEE 802.3, 802.3i, 802.3u, 802.3z, 802.3ab;

Connection to 1000Base-T/1000Base-BX

- Full duplex;

Support of RMON (RFC1271)

- Statistics, history, alarm, event;

Support of MIB

- RFC1213 MIB-II, RFC 4188 bridge MIB;

Support of VLAN

- Tagged-based VLAN (IEEE 802.1Q standard);

Support of aggregating the communication lines of the IEEE 802.3ad standard

Support of QoS mechanisms

Support of Port Mirroring

Support of the “redundant ring” topology building

Support of LLDP, LACP

Support of ERPS G.8032/Y.1344 v.1, v2 protocol

Size of the table of MAC addresses 32K

Protocols supported

- IPv4/IPv6;
- SNMP;
- LLDP;
- Port mirror;
- DHCP Server/Client, DHCP Option 82;
- TFTP;
- SMTP;
- Telnet;
- Syslog;
- Flow Control;
- VLAN (IEEE 802.1Q standard);
- IGMP;
- STP, RSTP;
- HTTPS, SSL, SSH;
- NTP Server/Client, PTP;

Additional functions

- DIP-switch for configuration;
- USB-A port for connection of an external data storage (configuration, operation logging reports);
- Two relay outputs: “Alarm”, “Failure”;

Power supply

- Double-line DC network with a voltage of $27^{+1.5}_{-4.5}$ V;

Power consumption

- No more than 50W;

Electromagnetic compatibility

- According to the GOST RV 20.39.309-98, GOST V 25232-82 and GOST R 52230-2004;

Operating temperature range

- From -40° C to $+55^{\circ}$ C;

MTBF

- No less than 100,000 hours;



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Ordering information

NM802 Configuration

NM802 \Options

Configurations	
NM802-01	10 ports 10/100/1000Base-T / 6 ports 10/100/1000 Base-BX, from – 40° C to +55° C;

Delivery checklist

NM802 delivery checklist contains:

1. Rugged Industrial Gigabit PoE Network Managed Switch NM802;
2. Set of mating connectors;
3. Packaging.

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Product specifications are subject to change without notice

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