

NM800

Industrial Gigabit PoE Network Managed Switch



Overview

The NM800 Industrial Gigabit PoE Network Managed Switch is designed for integration into industrial networks for various purposes and provides a total bandwidth of up to 80Gb. Ample configuration capabilities of the switch make it possible for you to solve a wide range of tasks: from connecting 1 GbE video cameras with PoE support to aggregating communication lines and using an optical channel up to 10 GbE.

Features

- Ext. interfaces: 10/100/1000Base-T – 16x ports, 10Gbps SFP+;
- Network standards: IEEE 802.3, 802.3i, 802.3u, 802.3z, 802.3ab;
- Support of QoS mechanisms;
- Port Mirroring support;
- Power supply: DC source with a voltage ranging from 18V to 57V;
- Power consumption: no more than 50 W (exclusively of external consumers and PoE consumers);
- Mounting: DIN-rail mounting, wall mounting;
- Operating temperature range: from - 40° C to + 55° C;
- MTBF: No less than 100,000 hours;

Technical Specifications

External interfaces

- 10/100/1000 Base-T – 16 ports (8 with PoE support);
- 10Gbps SFP+ - 4x ports; application of SFP+ modules makes it possible to perform connection to the 1000BASE-BX, 1000BASE-LX, 1000BASE-XD, 1000BASE-ZX networks and others.

PoE power per channel

- 30 W;

LED indication

- Indication of power supply from the primary power source;
- Indication of power supply from the standby power source;
- State of the Alarm output;
- State of the Failure output;
- State of the isolated input;
- Device identification;

Buttons

- Reset button with the functions:
 - Hardware reset;
 - Software reset;

Control interface

- USB;

Support of network standards

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

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;

Support of aggregating the IEEE 802.3ad communication lines

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

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”;
- One digital input signal;

Power supply

- Direct current source, with a voltage from 18V to 57V;
- Capability to power from the primary and standby power sources;
- Galvanic isolation of power supply: 1500V;

Power consumption

- No more than 50W (exclusively of external consumers and PoE consumers);

Mounting

- DIN-rail mounting;
- Wall mounting;

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° C;

MTBF

- No less than 100,000 hours;

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Ordering information

NM800 Configuration

NM800 \ Options

Configurations

NM800-01 (20 ports) 4 x SFP+ ports 10 Gbps, 16x ports 10/100/1000 Base-T + 8 PoE

NM800-02 (12 ports) 4 x SFP+ ports 10 Gbps. 8x ports 10/100/1000Base-T + PoE

NM800-03 (10 ports) 4 x SFP+ ports 1 Gbps, 8 x ports 10/100/1000Base-T.

Delivery checklist

NM800 delivery checklist contains:

1. Industrial Gigabit PoE Network Managed Switch NM800
2. Packaging.

Ver.1.03.2022

Product specifications are subject to change without notice

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