NM801
Industrial Gigabit PoE Network Managed Switch

Features

- Ext. I/Fs: 10/100/1000Base-T 40 ports, 10Gbps SFP+ 4 ports;
- Network standards: IEEE 802.3, 802.3i, 802.3u, 802.3z, 802.3ab;
- Support of QoS mechanisms;
- Port Mirroring support;
- Input power supply: NM801-01 - AC voltage ~220V, NM801-02 - DC 36V...72V;
- Mounting requirements: 19" rack mounting, 1U height, with protection IP30;
- Power consumption: no more than 50W;
- Operating temperature range: from - 40° C to + 55° C;
- MTBF: No less than 100,000 hours;

Overview

The NM801 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.

Technical Specifications

External interfaces

- 10/100/1000 Base-T – 40 ports;
- 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.

LED indication

- Indication of power supply;
- State of the Alarm output;
- State of the Failure output;

Buttons

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

Control interface

- USB/Ethernet;

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";

Power supply

- AC voltage ~220V (for NM801-01);
- DC 36V...72V (for NM801-02);

Power consumption

- No more than 50W;

Mounting

- 19" rack mounting;
- Height: 1U;
- IP 30;

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;

Ordering information

NM801 Configuration

NM801 \Options

Configurations

NM801-01 (44 ports) 40x ports 10/100/1000Base-T, 4x ports 10 Gbps SFP+, input power supply of AC ~220V

NM801-02 (44 ports) 40x ports 10/100/1000Base-T, 4x ports 10 Gbps SFP+, input power supply of DC 36V…72V

Delivery checklist

NM801 delivery checklist contains:

1. Industrial Gigabit PoE Network Managed Switch NM801
2. Packaging.

Corporate offices

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