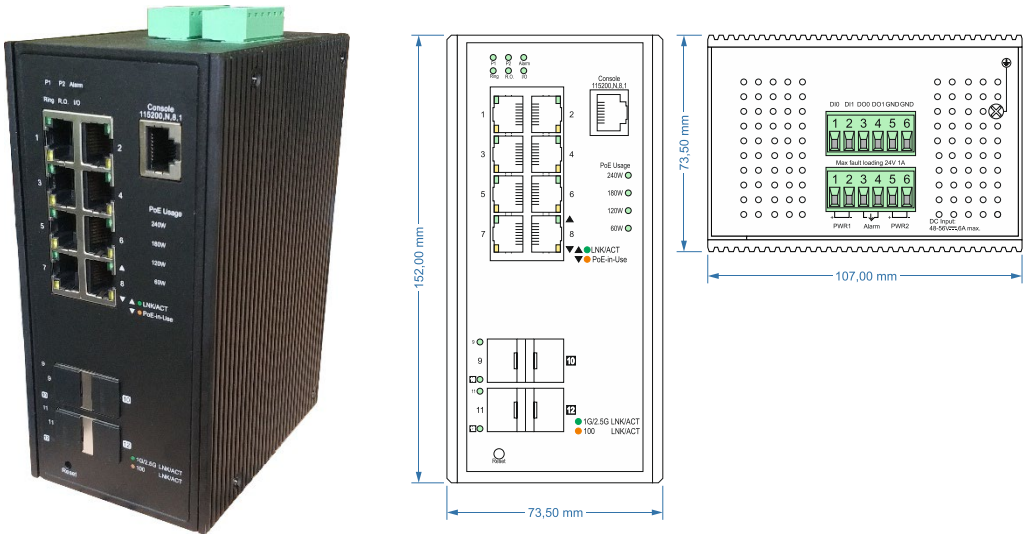


Обзор

NIS-3500-3412PGE представляет собой L2+ управляемый гигабитный коммутатор промышленного класса с 8 портами Ethernet 10/100/1000Base-T с поддержкой PoE и 4 портами SFP (2 x 2.5Gbit+2 x 1Gbit). Имея прочный корпус для размещения на DIN-рейке, коммутатор предназначен для работы в приложениях с критическими условиями окружающей среды, таких как наружное видеонаблюдение, промышленные сети, защищенные системы передачи данных.

Основные характеристики

Полная поддержка коммутации L2 и статической маршрутизации L3
128Mbytes RAM, 64Mbytes ROM
8 портов 10/100/1000Base-T 802.3at PoE, 4 порта SFP uplink (2x1000 + 2x2500BASE-X)
PSE 36W на порт (802.3at) | Бюджет PoE 240W
Корпус: защита IP30, монтаж на DIN-рейку, стену | без вентилятора
Размеры: 152 x 107 x 73,5 мм | Рабочая температура: -40°C to +75°C



Размеры и внешний вид

Информация для заказа

NIS-3500-3412PGE
Коммутатор L2+ Managed: 8 10/100/1000T 802.3at PoE | 2 SFP/1G + 2 1G/2.5G SFP uplink

> 8 портов 802.3at PoE > Монтаж на DIN-рейку, стену > L2+/L3 functions

Технические характеристики

Standards Compliance	IEEE 802.3 /u /z /ab /x /ad /D /w /p /Q /ad /af /at /ah /ag
Interfaces	RJ45 Ports: 8 x 10/100/1000 BASE-T ports (auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection)
	PoE ports: 8 ports with 802.3af/at PoE injector function
	SFP Slots: 2 x 100/1000/2500BASE-X + 2 x 100/1000BASE-X (FX/ SX/ LX/ BX)
	RJ45 console (115200, 8, N, 1) for basic management and setup
	Alarm Relay Output 0.5A@24V
Data Transfer Rate	DI/DO interface (2xDI + 2xDO)
	Reset Button (< 5 sec: System reboot; > 5 sec: Factory default)
	LED Indicators: Power/Fault/Ring/R.O./DIDO/PoE/Ethernet/SFP
	Ethernet: 10 Mbps (half duplex), 20 Mbps (full duplex)
	Fast Ethernet: 100 Mbps (half duplex), 200 Mbps (full duplex)
Switching	Gigabit: 1000 Mbps (half duplex), 2000 Mbps (full duplex)
	2.5 G: 2500 Mbps (half duplex), 5000 Mbps (full duplex)
	Switch Architecture: Store-and-Forward
	Switch Fabric: 30 Gbps non-blocking
	Throughput: 22.32 Mpps @ 64 bytes packet
Power	MAC Table Size: 8 K, automatic source address learning / aging
	Shared Data Buffer: 4 Mbits
	Flow Control: IEEE 802.3x full duplex / Back pressure half duplex
	Jumbo Frame: 9Kbytes
	Input: 48 - 56 VDC, redundant inputs
PoE	Consumption: 6,48 W max. (without SFP & PDs)
	2x6-pin removable terminal block
	Grounding point
	PoE Pin Out Port 1-8: 1/2(+); 3/6(-) Mode A End-Span
	Up to 36 W/port, Circuit protection prevents power interference
Layer 3 Functions	PD class detection
	PoE budget setup option
	PoE Power budget: up to 240 W @ 52~56V Power input
	PoE port feeding priority / scheduling / sequence / recycling
	Per port power limit
Port Configuration	Automatic PD Reboot/ Alive check
	PoE port status monitoring
	Forced PoE / PoE Legacy mode / PoE extend up to 200m mode
	IPv4/v6 software static routing
	32 routing entries
	Max. 8 VLAN IP interfaces
	Port disable / enable / power saving mode
	Auto-negotiation 10/100/1000Mbps full / half duplex selection
	Flow control disable/enable

Технические характеристики

Port Status	Speed/ Duplex mode/ Link status Trunk/ Flow control/ Auto-negotiation status
VLAN	IEEE 802.1Q tag-based VLAN IEEE 802.1ad Q-in-Q tunneling Port-based VLAN Voice VLAN Private VLAN Edge (PVE) MAC-based VLAN Protocol-based VLAN VLAN Translation MVR (Multicast VLAN Registration) GVRP Up to 4K VLAN groups, out of 4094 VLAN IDs
QoS	8 priority queues per port IEEE 802.1p CoS Port number 802.1Q VLAN tag DSCP/TOS field in IP packet Strict priority and WRR policies Per port bandwidth control (Ingress/ Egress) DSCP remarking Traffic-policing on the switch port
Multicast	IGMP v1/v2/v3 Snooping IPv4 IGMP querier mode support IPv6 MLD (v1/v2) snooping IPv6 MLD querier mode support Up to 255 multicast groups
Link Aggregation	IEEE 802.3ad LACP Cisco ether-channel (static trunk) 6 trunk groups with 4 ports per group Up to 8Gbps bandwidth (duplex mode)
Spanning tree	802.1D Spanning Tree Protocol (STP) 802.1w Rapid Spanning Tree Protocol (RSTP) 802.1s Multiple Spanning Tree Protocol (MSTP) BPDU Filtering/BPDU Guard
Ring	ITU-T G.8032 Ethernet Ring protection switching (ERPS) Recovery time < 10ms
Security	ACL IP/MAC based ACL MAC Address/ IP Address/ Ethertype/ Protocol Type/ VLAN ID/ DSCP/ 802.1p Priority based Up to 256 entries
	AAA RADIUS client TACACS/TACACS+ client
	Security Port Security

Технические характеристики

Security	Security	Dynamic ARP inspection IP source guard CLI authority control
	Network Access Control	IEEE 802.1x port-based network access control MAC-based authentication Local/RADIUS authentication
	SSHv2	
	TLS v1.2	
	SNMP v3	
	Management & Diagnostics	IPv4 and IPv6 dual stack management CLI, RS-232, Telnet, WEB interface Firmware & configuration upload/download (Dual Images) SNMP v1 and v2c switch management Remote syslog Local system log RMON (Group 1, 2, 3 & 9) IEEE 802.1AB-2005 Link Layer Discovery LLDP DHCP Client/Server
SNMP MIBs		RFC 1213 MIB-II, RFC 2863 IF-MIB, RFC 1493 Bridge MIB, RFC 1643 Ethernet MIB, RFC 2863 Interface MIB, RFC 2665 Ether-Like MIB, RFC 2737 Entity MIB, RFC 2819 RMON MIB (Groups 1, 2, 3 and 9), RFC 2618 RADIUS Client MIB, RFC 3411 SNMP-Frameworks-MIB, IEEE 802.1X PAE, LLDP, MAU-MIB, Power over Ethernet MIB
Port Mirroring		TX / RX / Both Many-to-1 monitor
ONVIF		Device discovery/monitoring Floor Map
Industrial Protocols		Mod bus TCP for real-time monitoring in the SCADA system IEEE 1588v2 PTP (Precision Time Protocol) transparent clock mode
Time Synchronization		NTP
Housing		IP30 Protection, DIN Rail/ Wall mounting
Operating Temperature		- 40 to 75 °C (-40 to 167 °F)
Operating Humidity		Max. 95 % non-condensing
Dimensions		152 x 107 x 73,5 mm
Weight		1104 g
Protection		Surge: 6KV/6KV (8/20 us), standard: IEC61000-4-5 ESD: 6KV contact / 15KV air, standard: IEC61000-4-2
Regulatory Compliance		FCC Part 15 Class A, CE
Stability Testing		IEC60068-2-32 (free fall), IEC60068-2-27 (shock), IEC60068-2-6 (vibration)
Warranty		3 years (up to 5 years)