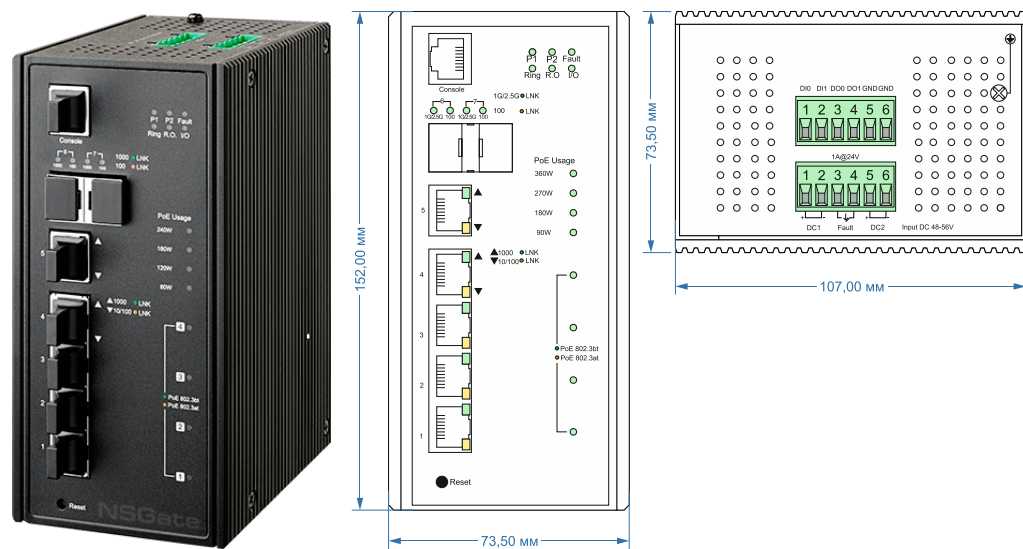


Обзор

NIS-3500-3204PGE представляет собой L2+ управляемый гигабитный коммутатор промышленного класса с 5 портами Ethernet 10/100/1000Base-T (4 с поддержкой PoE) и 2 портами 2.5Gbit SFP. 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
5 портов 10/100/1000Base-T (4 802.3bt PoE), 2 порта 100/1000/2500BASE-X SFP uplink
PSE 95W на порт (802.3bt) | Бюджет PoE 360W
Корпус: защита IP40, 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-3500-3204PGE
Коммутатор L2+ Managed: 4 10/100/1000T 802.3bt PoE | 1 TP/1G + 2 1G/2.5G SFP uplink

> 4 порта 802.3bt 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 /bt /ah /ag
Interfaces	RJ45 Ports: 5 x 10/100/1000 BASE-T ports (auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection) PoE ports: 4 ports with 802.3af/at/bt PoE injector function SFP Slots: 2 x 100/1000/2500BASE-X (SX/ LX/ BX) RJ45 console (115200, 8, N, 1) for basic management and setup Alarm Relay Output 0.5A@24V 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
Data Transfer Rate	Ethernet: 10 Mbps (half duplex), 20 Mbps (full duplex) Fast Ethernet: 100 Mbps (half duplex), 200 Mbps (full duplex) Gigabit: 1000 Mbps (half duplex), 2000 Mbps (full duplex) 2.5Gbit: 2500 Mbps (half duplex), 5000 Mbps (full duplex)
Switching	Switch Architecture: Store-and-Forward Switch Fabric: 20 Gbps non-blocking Throughput: 14.8 Mpps @ 64 bytes packet 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
Power	Input: 48 - 56 VDC, redundant inputs Consumption: 6,6 W max. (without SFP & PDs) 2x6-pin removable terminal block Grounding point
PoE	PoE Pin Out Port 1-4: 1/2(+); 3/6(-) Mode A End-Span 4/5(+); 7/8(-) Mode A End-Span 1/2(-), 3/6(+), 4/5(+), 7/8(-) 802.3bt/UPoE Up to 95 W/port, Circuit protection prevents power interference PD class detection PoE budget setup option PoE Power budget: up to 360 W @ 52~56V Power input PoE port feeding priority / scheduling / sequence / recycling Per port power limit Automatic PD Reboot/ Alive check PoE port status monitoring Forced PoE / PoE Legacy mode / PoE extend up to 200m mode
Layer 3 Functions	IPv4/v6 software static routing 32 routing entries Max. 8 VLAN IP interfaces
Port Configuration	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	
QoS	Up to 4K VLAN groups, out of 4094 VLAN IDs	
	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	
Link Aggregation	Up to 255 multicast groups	
	IEEE 802.3ad LACP	
	Cisco ether-channel (static trunk)	
	3 trunk groups with 3 ports per group	
Spanning tree	Up to 6Gbps bandwidth (duplex mode)	
	802.1D Spanning Tree Protocol (STP)	
	802.1w Rapid Spanning Tree Protocol (RSTP)	
	802.1s Multiple Spanning Tree Protocol (MSTP)	
Ring	BPDU Filtering/BPDU Guard	
	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

> 4 порта 802.3bt PoE > Монтаж на DIN-рейку, стену > L2+/L3 functions

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	
Management & Diagnostics	SSHv2	
	TLS v1.2	
	SNMP v3	
	IPv4 and IPv6 dual stack management	
	CLI, RS-232, Telnet, WEB interface	
	Firmware & configuration upload/download (Dual Images)	
SNMP MIBs	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	
Port Mirroring	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	
	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	1050 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)	