NSGate

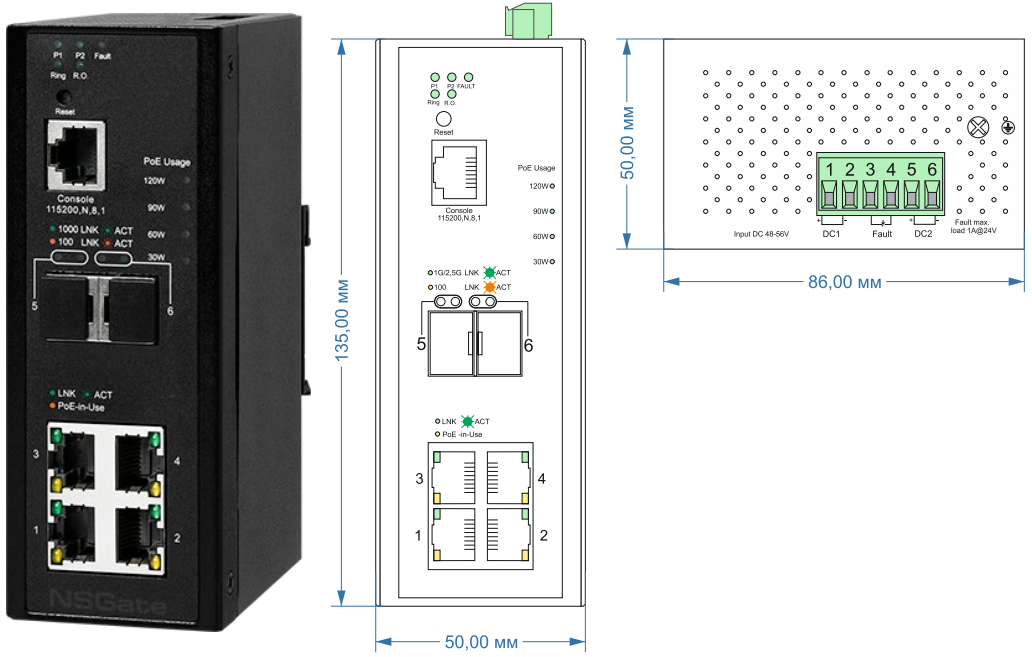
Промышленный 2.5G PoE коммутатор с управлением NIS-3500-2204PGE

Обзор

NIS-3500-2204PGE представляет собой L2+ управляемый гигабитный коммутатор промышленного класса с 4 портами Ethernet 10/100/1000Base-T 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
4 порта 10/100/1000Base-T 802.3at PoE, 2 порта 100/1000/2500BASE-X SFP uplink
PSE 36W на порт (802.3at) | Бюджет PoE 144W
Корпус: защита IP40, монтаж на DIN-рейку, стену | без вентилятора
Размеры: 135 x 86 x 50 мм | Рабочая температура: -40°C to +75°C



Размеры и внешний вид

Информация для заказа

NIS-3500-2204PGE	
Коммутатор L2+ Managed: 4 10/100/1000T 802.3at PoE | 2 1G/2.5G SFP uplink, -40~+75°C	

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

Технические характеристики

Standards Compliance	IEEE 802.3 /u /z /ab /x /af /at /ah /az
	IEEE 802.1 /D /w /s /p /Q /ав /X /ab /ag
Interfaces	RJ45 Ports: 4 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 PoE injector function
	SFP Slots: 2 x 100/1000BASE-X (SX/ LX/ BX)
	RJ45 console (115200, 8, N, 1) for basic management and setup
	Alarm Relay Output 0.5A@24V
	Reset Button (< 5 sec: System reboot; > 5 sec: Factory default)
	LED Indicators: Power/Fault/Ring/R.O./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)
Switching	Switch Architecture: Store-and-Forward
	Switch Fabric: 12 Gbps non-blocking
	Throughput: 8.928 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: 6,2 W max. (without SFP & PDs)
	2x6-pin removable terminal block
	Grounding point
PoE	IEEE 802.3af Per port 48V~51VDC, max. 15.4 watts
	IEEE 802.3at Per port 51V~56VDC, max. 36 watts
	PoE Pin Out Port 1-4: 1/2(+); 3/6(-) Mode A End-Span
	Up to 36 W/port
	Circuit protection prevents power interference
	PD class detection
	PoE budget setup option
	PoE Power budget: up to 144 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
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

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

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 255 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)
		2 trunk groups with 2 ports per group
		Up to 4Gbps 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 123 entries
	AAA	RADIUS client
		TACACS/TACACS+ client
	Security	Port Security
		Dynamic ARP inspection

Технические характеристики

		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
		1-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		IP40 Protection, DIN Rail/ Wall mounting
Operating Temperature		- 40 to 75 °C
Storage Temperature		- 40 to 85 °C
Operating Humidity		Max. 95 % non-condensing
Dimensions		135 x 86 x 50 mm
Weight		610 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)