

Network Logic

Промышленный 10G PoE коммутатор с управлением

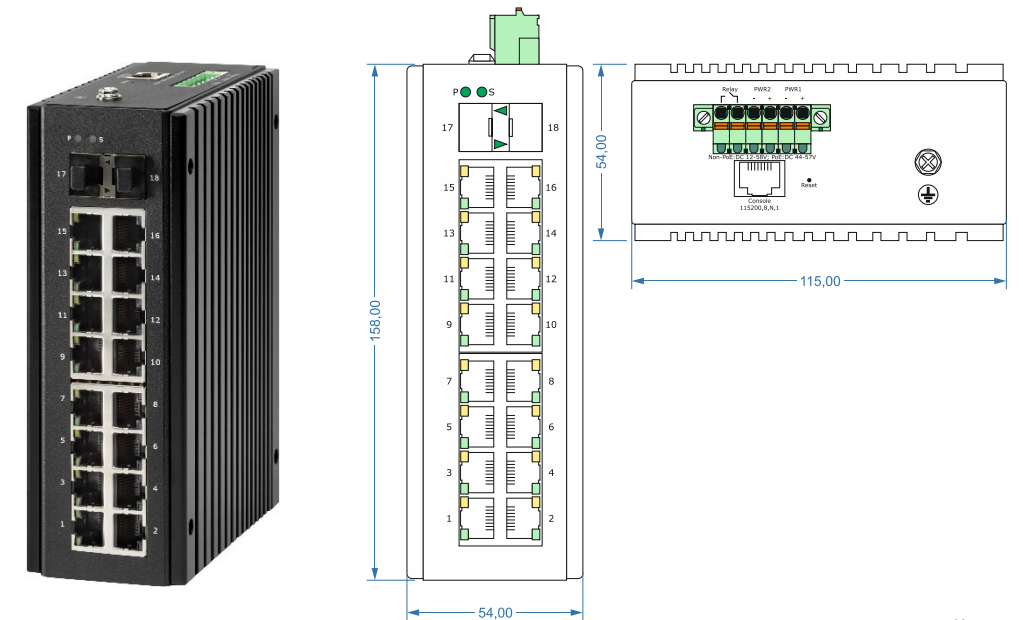
NIS-3500-2216PGX

Обзор

NIS-3500-2216PGX представляет собой L2+ управляемый гигабитный коммутатор промышленного класса с 16 портами Ethernet 10/100/1000Base-T с поддержкой PoE и 2 портами 10Gbit 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
16 портов 10/100/1000Base-T 802.3at PoE, 2 порта 1000/2500/10000BASE-X SFP+ uplink
PSE 30W на порт (802.3at) | Бюджет PoE 240W
Корпус: защита IP40, монтаж на DIN-рейку, стену | без вентилятора
Размеры: 158 x 115 x 54 мм | Рабочая температура: -40°C to +75°C



Размеры и внешний вид

Информация для заказа

NIS-3500-2216PGX
Коммутатор L2 Managed: 16 10/100/1000T 802.3at PoE | 2 1G/2.5G/10G SFP uplink

> 16 портов 802.3at PoE > Монтаж на DIN-рейку > 1G/2.5G/10G SFP uplink

Технические характеристики

Standards Compliance	IEEE 802.3 /u /z /ab /ae /x /ad /at /af IEEE 802.1 /D /w /p /Q /X /ab
Interfaces	RJ45 Ports: 16 x 10/100/1000 BASE-T ports (auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection) PoE ports: 16 ports with 802.3af/at PoE injector function SFP+ Slots: 2 x 1000/2500/10GBASE-X RJ45 console interface for basic management and setup Alarm Relay Output 1A@24V Reset Button LED Indicators: Power/ PoE/ Copper/ Fiber/ System Status
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) 2.5G: 2500 Mbps (half duplex), 5000 Mbps (full duplex) 10G: 10000 Mbps (half duplex), 20000 Mbps (full duplex)
Switching	Switch Architecture: Store-and-Forward Switch Fabric: 72 Gbps non-blocking Throughput: 107.14 Mpps @ 64 bytes packet MAC Table Size: 16 K, automatic source address learning / aging Shared Data Buffer: 12 Mbits Flow Control: IEEE 802.3x full duplex / Back pressure half duplex Jumbo Frame: 10Kbytes
Power	Input (PoE): 44 - 57 VDC, redundant inputs Input (without PoE): 9 - 57 VDC, redundant inputs Consumption: 18 W max. (without SFP & PDs) 6-pin removable terminal block Grounding point
PoE	PoE Pin Out Port 1-8: 1/2(+); 3/6(-) Mode A End-Span Up to 30 W per port PD class detection PoE budget setup option PoE Power budget: up to 240 W @ 52~57V Power input PoE port power feeding priority Per port power limit Automatic PD Reboot/ Alive check PoE port status monitoring PoE Legacy mode
Layer 3 Functions	IPv4/v6 software static routing
Port Configuration	Port disable/enable Auto-negotiation 10/100/1000Mbps full and half duplex selection Flow control disable/enable

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Port Status		Speed/ Duplex mode/ Link status
		Trunk/ Flow control/ Auto-negotiation Status
VLAN		IEEE 802.1Q tag-based VLAN
		Q-in-Q IEEE 802.1ad tunneling
		Port-based VLAN
		MAC-based VLAN
		Protocol-based VLAN
QoS		8 priority queues per ports
		IEEE 802.1p CoS
		802.1Q VLAN tag
		DSCP/TOS field in IP packet
		Strict priority and WRR policies
		Per port bandwidth control (Ingress/ Egress)
		DSCP remarking
Multicast		IGMP v1/v2/v3 Snooping
Link Aggregation		IEEE 802.3ad LACP
		Static
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
		IP / IP-Extend/ MAC-Extend/ IP-Named/ IP-Named-Extend
		MAC Address/ IP Address/ Protocol Type based
	AAA	RADIUS client
		Security
	Dynamic ARP inspection (ARP Check)	
	IP source guard	
	CLI authority control	
	DHCP Snooping	
	Network Access Control	IEEE 802.1x port-based network access control
		MAC-based authentication
		Local/RADIUS authentication
SSHv2		
SNMP v3		

> 16 портов 802.3at PoE > Монтаж на DIN-рейку > 1G/2.5G/10G SFP uplink

Технические характеристики

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
	System log
	RMON
	IEEE 802.1AB-2005 Link Layer Discovery LLDP
	DHCP Client
Port Mirroring	Many-to-1 monitor
Time Synchronization	NTP
Housing	IP40 Protection, DIN Rail/ Wall mounting
Operating Temperature	- 40 to 75 °C (-40 to 167 °F)
Operating Humidity	Max. 95 % non-condensing
Dimensions	158 x 115 x 54 mm
Weight	1300 g
Protection	Surge: 6KV/2KV (8/700 us), standard: IEC61000-4-5
	ESD: 8KV contact / 15KV air, standard: IEC61000-4-2
Regulatory Compliance	FCC Part 15B Class A
Stability Testing	IEC60068-2-32 (free fall), IEC60068-2-27 (shock), IEC60068-2-6 (vibration)
Warranty	3 years (up to 5 years)