



TOO «NAG KAZAKHSTAN»
+7 (727) 344-344-4
sales@nag.kz

Коммутатор Cisco Nexus N5K-C56128P

N5K-C56128P



Описание

В комплект входит:

- Блок питания AC - 4 шт
- Вентиляторные модули - 4 шт

Крепления и лицензии в комплект не входят

Особенности Cisco Nexus N5K-C56128P:

- 48 фиксированных портов 1/10G (Ethernet/FCoE)
- + 4x40G QSFP+ (4x10G или 40G) (Ethernet/FCoE)
- 2 слота расширения(на каждый слот):
 - 24 унифицированных порта 1/10G (Ethernet/FCoE) или 2/4/8G FC
 - 2x40G QSFP+ (4x10G или 40G) (Ethernet/FCoE)
- 4 слота для БП hot swap - (F2B или B2F for cooling)
- 4 слота для вент. модулей hot swap - (F2B или B2F for cooling)

Общие характеристики:

- L2, L3, Security, QoS, SPAN/ERSPAN, Multicast, Sampled NetFlow, vPC, ECMP
- Поддержка Fibre Channel на унифицированных портах
- Мониторинг заполняемости буферов на портах и очередях QoS
- Отказоустойчивые, поддерживающие горячую замену БП (AC/DC) и вентиляторы
- F2B, B2F охлаждение
- Base license - L2 + базовый L3, LAN Enterprise license - Advances L3, лицензируется FC/ FCoE

Технические характеристики

QoS	Layer 2 IEEE 802.1p (class of service [CoS]) 8 unicast queues and 8 multicast queues per port Per-port QoS configuration CoS trust Port-based CoS assignment Modular QoS CLI (MQC) compliance: IPv4 and IPv6 ACL-based QoS classification (Layers 2, 3, and 4) Flexible TCAM carving
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	<p>MAC and ARP hardware carving</p> <p>MQC CoS marking</p> <p>Per-port virtual output queuing</p> <p>CoS-based egress queuing</p> <p>Egress strict-priority queuing</p> <p>Egress port-based scheduling: Deficit Weighted Round-Robin (DWRR)</p> <p>Control-Plane Policing (CoPP): IPv4 and IPv6</p>
Безопасность	<p>Ingress ACLs (standard and extended) on Ethernet and virtual Ethernet ports</p> <p>Standard and extended Layer 2 ACLs: MAC addresses, protocol type, etc.</p> <p>Standard and extended Layer 3 and 4 ACLs: IPv4 and IPv6, Internet Control Message Protocol (ICMP and ICMPv6), TCP, User Datagram Protocol (UDP), etc.</p> <p>Ingress policing</p> <p>VLAN-based ACLs (VACLs)</p> <p>Port-based ACLs (PACLs)</p> <p>Named ACLs</p> <p>Optimized ACL distribution</p> <p>ACLs on virtual terminals (vtys)</p> <p>ACL logging (IPv4 only)</p> <p>Dynamic Host Configuration Protocol (DHCP) snooping with Option 82</p> <p>Dynamic ARP Inspection</p> <p>IP source guard</p> <p>DHCP relay (up to 32 destinations)</p> <p>Ethernet port security</p> <p>IPv6 RAACL, PAACL, and VACL</p> <p>iSCSI type-length-value (TLV)</p>
Общие MIBs	<p>SNMPv2-SMI</p> <p>CISCO-SMI</p> <p>SNMPv2-TM</p> <p>SNMPv2-TC</p> <p>IANA-ADDRESS-FAMILY-NUMBERS-MIB</p> <p>IANAifType-MIB</p> <p>IANAiprouteprotocol-MIB</p> <p>HCNUM-TC</p> <p>CISCO-TC</p> <p>SNMPv2-MIB</p> <p>SNMP-COMMUNITY-MIB</p> <p>SNMP-FRAMEWORK-MIB</p>



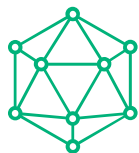
	SNMP-NOTIFICATION-MIB SNMP-TARGET-MIB SNMP-USER-BASED-SM-MIB SNMP-VIEW-BASED-ACM-MIB CISCO-SNMP-VACM-EXT-MIB
Layer 3 MIBs	UDP-MIB TCP-MIB OSPF-MIB BGP4-MIB CISCO-HSRP-MIB
MIB, Ethernet	CISCO-VLAN-MEMBERSHIP-MIB CISCO-Virtual-Interface-MIB CISCO-VTP-MIB
MIBs	ENTITY-MIB IF-MIB CISCO-ENTITY-EXT-MIB CISCO-ENTITY-FRU-CONTROL-MIB CISCO-ENTITY-SENSOR-MIB CISCO-FLASH-MIB CISCO-SYSTEM-MIB CISCO-SYSTEM-EXT-MIB CISCO-IP-IF-MIB CISCO-IF-EXTENSION-MIB CISCO-SERVER-INTERFACE-MIB CISCO-NTP-MIB CISCO-IMAGE-MIB CISCO-IMAGE-CHECK-MIB CISCO-IMAGE-UPGRADE-MIB CISCO-CONFIG-COPY-MIB CISCO-ENTITY-VENDORTYPE-OID-MIB CISCO-BRIDGE-MIB
Мониторинг MIBs	DIFFSERV-DSCP-TC NOTIFICATION-LOG-MIB DIFFSERV-MIB CISCO-CALLHOME-MIB



	<p>CISCO-PROCESS-MIB</p> <p>RMON-MIB</p> <p>CISCO-RMON-CONFIG-MIB</p> <p>CISCO-HC-ALARM-MIB</p> <p>LLDP-MIB</p>
Безопасность MIBs	<p>CISCO-AAA-SERVER-MIB</p> <p>CISCO-AAA-SERVER-EXT-MIB</p> <p>CISCO-COMMON-ROLES-MIB</p> <p>CISCO-COMMON-MGMT-MIB</p> <p>CISCO-RADIUS-MIB</p> <p>CISCO-SECURE-SHELL-MIB</p> <p>TCP/IP MIBs</p> <p>INET-ADDRESS-MIB</p> <p>TCP-MIB</p> <p>CISCO-TCP-MIB</p> <p>UDP-MIB</p> <p>IP-MIB</p> <p>CISCO-IP-PROTOCOL-FILTER-MIB</p> <p>CISCO-DNS-CLIENT-MIB</p> <p>CISCO-PORTSECURITY-MIB</p>
Другое MIBs	<p>START-MIB</p> <p>CISCO-LICENSE-MGR-MIB</p> <p>CISCO-FEATURE-CONTROL-MIB</p> <p>CISCO-CDP-MIB</p> <p>CISCO-RF-MIB</p> <p>CISCO-ETHERNET-FABRIC-EXTENDER-MIB</p> <p>CISCO-BRIDGE-MIB</p> <p>CISCO-FCOE-MIB</p> <p>CISCO-PORTCHANNEL-MIB</p> <p>CISCO-ZS-MIB</p>
Стандарты	
Промышленные стандарты	<p>IEEE 802.1D: Spanning Tree Protocol</p> <p>IEEE 802.1p: CoS prioritization</p> <p>IEEE 802.1Q: VLAN tagging</p> <p>IEEE 802.1Qaz: Enhanced transmission selection</p>



	IEEE 802.1Qbb: Per-priority Pause IEEE 802.1s: Multiple VLAN instances of Spanning Tree Protocol IEEE 802.1w: Rapid reconfiguration of Spanning Tree Protocol IEEE 802.3: Ethernet IEEE 802.3ad: LACP with fast timers IEEE 802.3ae: 10 Gigabit Ethernet IEEE 802.3ba: 40 Gigabit Ethernet (Applies to 40G SR4, SR4-S, LR4, LR4-S, and CSR4 optics only) SFF 8431 SFP+ CX1 support RMON
Соответствие требованиям	Products should comply with CE Markings according to directives 2004/108/EC and 2006/95/EC.
Безопасность	UL 60950-1 Second Edition CAN/CSA-C22.2 No. 60950-1 Second Edition EN 60950-1 Second Edition IEC 60950-1 Second Edition AS/NZS 60950-1 GB4943
EMC: Emissions	47CFR Part 15 (CFR 47) Class A AS/NZS CISPR22 Class A CISPR22 Class A EN55022 Class A ICES003 Class A VCCI Class A EN61000-3-2 EN61000-3-3 KN22 Class A CNS13438 Class A
EMC: Immunity	EN55024 CISPR24 EN300386 KN 61000-4 series
RoHS	The product is RoHS 6 compliant with exceptions for leaded ball grid array (BGA) balls and lead press-fit connectors.
Размеры (ВxШxГ)	Cisco Nexus 5672UP и 5672UP-16G: (4.4 x 43.9 x 76.2 см) Cisco Nexus 56128P: (8,8 x 43,9 x 76,2 см)



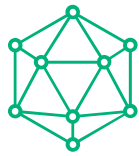
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Рабочая температура	от 0 до 40 °C
Температура хранения	от -40 до 70 °C
Влажность	От 5 до 95% (без конденсации)
Вес	Cisco Nexus 5672UP / 5672UP-16G: 15 кг Cisco Nexus 56128P: 27 кг

Информация для заказа

Шасси	
N5K-C5672UP-16G	Cisco Nexus 5672UP-16G 1RU, 24p 10-Gbps SFP+, 24 Unified Ports, 6p 40G QSFP+
N5K-C5672UP-16G=	Cisco Nexus 5672UP-16G 1RU, 24p 10-Gbps SFP+, 24 Unified Ports, 6p 40G QSFP+, Spare
N5K-C5672UP	Cisco Nexus 5672UP 1RU, 32 p 10-Gbps SFP+, 16 Unified Ports, 6p 40G QSFP+
N5K-C5672UP=	Cisco Nexus 5672UP 1RU, 32 p 10-Gbps SFP+, 16 Unified Ports, 6p 40G QSFP+, Spare
N5K-C56128P	Cisco Nexus 56128P 2RU, 48x 10-Gbps SFP+, 4 x 40G QSFP+ Fixed Ports (Base)
N5K-C56128P=	Cisco Nexus 56128P 2RU, 48x 10-Gbps SFP+, 4 x 40G QSFP+ Fixed Ports, Spare (Base)
Вентиляторы	
N6K-C6001-FAN-F	Cisco Nexus 5672UP/5672UP-16G Fan Module, Front-to-Back (Fan Side Intake) Airflow
N6K-C6001-FAN-F=	Cisco Nexus 5672UP/5672UP-16G Fan Module, Front-to-Back (Fan Side Intake) Airflow, spare
N6K-C6001-FAN-B	Cisco Nexus 5672UP/5672UP-16G Fan Module, Back-to-Front (Port Side Intake) Airflow

N6K-C6001-FAN-B=	Cisco Nexus 5672UP/5672UP-16G Fan Module, Back-to-Front (Port Side Intake) Airflow, spare
N56128-FAN-B=	Cisco Nexus 56128P Fan Module, Back-to-Front (Port Side Intake) Airflow, spare
N56128-FAN-B	Cisco Nexus 56128P Fan Module, Back-to-Front (Port Side Intake) Airflow
N56128-FAN-F=	Cisco Nexus 56128P Fan Module, Front-to-Back (Fan Side Intake) Airflow, spare
N56128-FAN-F	Cisco Nexus 56128P Fan Module, Front-to-Back (Fan Side Intake) Airflow
Модули расширения	
N56-M24UP2Q	Cisco Nexus 56128P Expansion Module, 24x 10-Gbps SFP+ UP, 2 x QSFP+ fixed ports
N56-M24UP2Q=	Cisco Nexus 56128P Expansion Module, 24x 10-Gbps SFP+ UP, 2 x QSFP+ fixed ports, Spare
Блоки питания	
N55-PDC-1100W(=)	Cisco Nexus 5500/6000/5600 PSU Front-to-Back Airflow module spare, DC, - 40 to -72VDC, 1100W
N55-PAC-1100W(=)	Cisco Nexus 5500/6000/5600 PSU Front-to-Back Airflow module spare, AC, 94 to 240 VAC, 1100W
NXA-PAC-1100W(=)	Cisco Nexus 5500/6000/5600 Platinum PSU Front-to-Back Airflow module spare, A/C, 100-240V, 1100W
NXA-PAC-1100W-B(=)	Cisco Nexus 5500/6000/5600 Platinum PSU Back-to-Front Airflow module spare, A/C, 100-240V, 1100W
NXA-PHV-1100W(=)	Cisco Nexus 5500/6000/5600 Platinum HV-AC-DC PS, Front-to-Back Airflow module spare, 1100W
NXA-PHV-1100W-B(=)	Cisco Nexus 5500/6000/5600 Platinum HV-AC-DC PS, Back-to-Front Airflow module spare, 1100W



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программное обеспечение	
N6KUK9-730N1.1A	Cisco Nexus 5600/6000 Base OS Software Rel 7.3(0)N1(1)
N6KUK9-730N1.1A=	Cisco Nexus 5600/6000 Base OS Software Rel 7.3(0)N1(1), spare
N6KUK9-707N1.1	Cisco Nexus 5600/6000 Base OS Software Rel 7.0(7)N1(1)
Кабели питания	
CAB-250V-10A-AR	AC Power Cord - 250V, 10A - Argentina (2.5m)
CAB-9K10A-AU	Power Cord, 250VAC 10A 3112 Plug, Australia (2.5m)
CAB-250V-10A-BR	AC Power Cord - 250V, 10A - Brazil(2.1m)
CAB-250V-10A-CN	AC Power Cord - 250V, 10A - PRC (2.5m)
CAB-9K10A-EU	Power Cord, 250VAC 10A CEE 7/7 Plug, EU (2.5m)
CAB-IND-10A	10A Power cable for India (2.5m)
CAB-250V-10A-IS	AC Power Cord - 250V, 10A - Israel (2.5m)
CAB-9K10A-IT	Power Cord, 250VAC 10A CEI 23-16/VII Plug, Italy (2.5m)
CAB-250V-10A-ID	AC Power Cord - 250V, 10A, South Africa(2.5m)
CAB-9K10A-SW	Power Cord, 250VAC 10A MP232 Plug, SWITZ (2.5m)
CAB-9K10A-UK	Power Cord, 250VAC 10A BS1363 Plug (13 A fuse), UK (2.5m)
CAB-9K12A-NA	Power Cord, 125VAC 13A NEMA 5-15 Plug, North America (2.5m)
CAB-AC-250V/13A	North America, NEMA L6-20 250V/20A plug-IEC320/C13 receptacle (2.0m)
CAB-N5K6A-NA	Power Cord, 200/240V 6A North America (2.5m)

CAB-C13-CBN	Cabinet Jumper Power Cord, 250 VAC 10A, C14-C13 Connectors (0.7m)
CAB-C13-C14-2M	Power Cord Jumper, C13-C14 Connectors, 2 Meter Length (2m)
CAB-C13-C14-AC	Power cord, C13 to C14 (recessed receptacle), 10A (3m)
Аксессуары	
N5596-ACC-KIT=	Cisco Nexus 56128P Chassis Accessory Kit, spare
N5672-ACC-KIT=	Cisco Nexus 5672UP/5672UP-16G Chassis Accessory Kit, spare
Трансиверы и патч-корды	
FET-10G	10-Gbps SFP+ module for Cisco Nexus 2000 Series to Cisco Nexus 5000 Series connectivity
SFP-10G-SR	10GBASE-SR SFP+ module (multimode fiber [MMF])
SFP-10G-SR-S	10GBASE-SR SFP Module, Enterprise-Class
SFP-10G-LR	10GBASE-LR SFP+ module (single-mode fiber [SMF])
SFP-10G-LR-S	10GBASE-LR SFP Module, Enterprise-Class
SFP-10G-ER	10GBASE-ER-SFP+ module (SMF)
SFP-10G-ER-S	10GBASE-ER SFP Module, Enterprise-Class
SFP-H10GB-CU1M	10GBASE-CU SFP+ cable, 1m (Twinax cable)
SFP-H10GB-CU1.5M	10GBASE CU SFP+ cable, 1.5m (passive Twinax cable)
SFP-H10GB-CU2M	10GBASE CU SFP+ cable, 2m (passive Twinax cable)
SFP-H10GB-CU2.5M	10GBASE CU SFP+ cable, 2.5m (passive Twinax cable)



SFP-H10GB-CU3M	10GBASE-CU SFP+ cable, 3m (Twinax cable)
SFP-H10GB-CU5M	10GBASE-CU SFP+ cable, 5m (Twinax cable)
SFP-H10GB-ACU7M	10GBASE-CU SFP+ cable, 7m (active Twinax cable)
SFP-H10GB-ACU10M	10GBASE-CU SFP+ cable, 10m (active Twinax cable)
SFP-10G-AOC1M	10GBASE-AOC SFP+ cable, 1m
SFP-10G-AOC2M	10GBASE-AOC SFP+ cable, 2m
SFP-10G-AOC3M	10GBASE-AOC SFP+ cable, 3m
SFP-10G-AOC5M	10GBASE-AOC SFP+ cable, 5m
SFP-10G-AOC7M	10GBASE-AOC SFP+ cable, 7m
SFP-10G-AOC10M	10GBASE-AOC SFP+ cable, 10m
GLC-T	1000BASE-T SFP
GLC-ZX-SMD	1000BASE-ZX SFP transceiver module, SMF, 1550-nm wavelength, dual LC/PC connector, digital optical monitoring (DOM); not supported on Cisco Nexus 5672UP-16G
GLC-SX-MMD	Gigabit Ethernet SFP, LC connector SX transceiver (MMF), extended temperature range and DOM
GLC-EX-SMD	1000BASE-EX SFP transceiver module, SMF, 1310-nm wavelength, dual LC/PC connector, digital optical monitoring (DOM); not supported on Cisco Nexus 5672UP-16G
GLC-LH-SMD	Gigabit Ethernet SFP, LC connector LX/LH transceiver (SMF), extended temperature range and DOM
SFP-GE-T	1000BASE-T SFP, extended temperature range; not supported on Cisco Nexus 5672UP-16G
DS SFP FC16G SW	16 Gbps Fibre Channel shortwave SFP, LC connector

DS-SFP-FC16G-SW	16-Gbps Fibre Channel shortwave SFP+, LC connector (16-Gbps Fibre Channel support only on last 24 ports of Cisco Nexus 5672UP-16G)
DS-SFP-FC16G-LW	16-Gbps Fibre Channel longwave SFP+, LC connector (16-Gbps Fibre Channel support only on last 24 ports of Cisco Nexus 5672UP-16G)
DS-SFP-FC8G-SW	8-Gbps Fibre Channel shortwave SFP+, LC connector (Fibre Channel support only on last 24 ports of Cisco Nexus 5672UP-16G, on last 16 ports of Cisco Nexus 5672UP, and on GEM on Cisco Nexus 56128P)
DS-SFP-FC8G-LW	8-Gbps Fibre Channel longwave SFP+, LC connector (Fibre Channel support only on last 24 ports of Cisco Nexus 5672UP-16G, on last 16 ports of Cisco Nexus 5672UP, and on GEM on Cisco Nexus 56128P)
DS-SFP-FC4G-SW	4-Gbps Fibre Channel shortwave SFP, LC connector (Fibre Channel support only on last 16 ports of Cisco Nexus 5672UP and on GEM on Cisco Nexus 56128P)
DS-SFP-FC4G-LW	4-Gbps Fibre Channel long-wave SFP, LC connector (Fibre Channel support only on last 16 ports of Cisco Nexus 5672UP and on GEM on Cisco Nexus 56128P)

Тип коммутатора

Тип коммутатора	Управляемый L2
Линейка Cisco	Nexus 5000

Интерфейсы

Тип основных портов	10GigabitEthernet SFP+
Интерфейсы 10GBase-X SFP+	48
Консольный порт	RJ45
Количество основных портов	48
Тип Uplink портов	10GigabitEthernet SFP+

Питание

Напряжение питания	~220V AC
Допустимое напряжение питания	94-240V AC



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L2 функционал

Количество VLAN	4096
Размер таблицы MAC адресов	25000
Количество правил ACL	4000
Агрегирование портов	LACP

Общие

Размещение	Монтируемые в стойку
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