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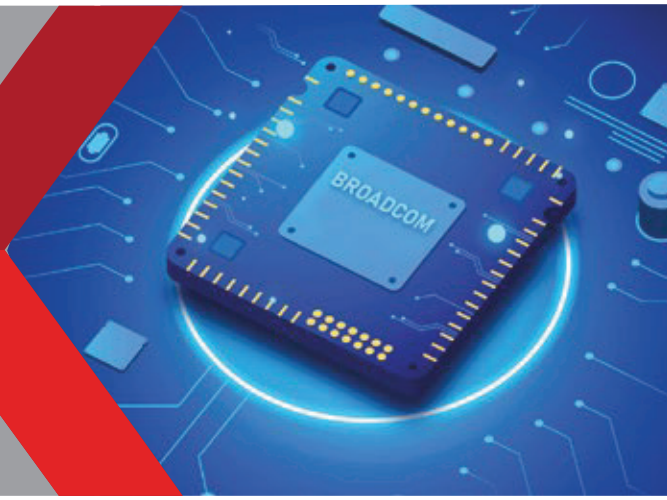
NX-6550 Series Multi-Gigabit 10GE Switches



OVERVIEW

NX-6550 Series Switch—Industry-leading high performance and scalable 10GE access switching solution with modular dual power, fixed or modular uplinks (10GE/40GE) and IRF for resiliency. The series offers OSPF/BGP and multicast, SDN enabled and flexible management.

NX-6550 series switch contains the following models:

- NX-6550-26CM-HPE: 24×100M/1G/2.5G/5GBase-T UPoE Ports, 1×expansion slot, 2×power module slots
- NX-6550-26XC-HPE: 24×100M/1G/2.5G/5G/10GBase-T UPoE Ports, 1×expansion Slot, 2×power module slots
- NX-6550-54XC-HPE: 48×100M/1G/2.5G/5G/10GBase-T UPoE Ports, 4×QSFP Plus Ports, 1× expansion Slot, 2 × power module slots

FEATURES HIGHLIGHTS

- High-Density 10GE and Multi-Giga Forwarding
- NODEXON Intelligent Resilient Framework 2 (IRF2)
- Wide Range of Advanced Features
- Comprehensive Security Control Policies
- MACsec
- Multi-chassis Link Aggregation Group (M-LAG) (Original DRNI)
- Outstanding Management Capacity
- Smart Network Management Center (SmartNMC)
- High Availability

NX-6550-26CM-HPE

NX-6550-26XC-HPE

NX-6550-54XC-HPE

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Multi-Gigabit 10GE Switches
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PRODUCT FEATURES

High-Density 10GE and Multi-Giga Forwarding

The switch offers high-density 10GE forwarding and can expand 10GE ports flexibly, working at wire-speed. It provides 16/24*10/1GE autosensing SFP+ ports, one expansion slot that support up to 10 kinds of modules range from GE to 10GE, 25GE, 40GE, and multi-giga ports. NX-6550-26XC-HPE support 24 *1G/2.5G/5GBase-T (UPOE) ports, Max 90W PoE supported on these ports.

Intelligent Resilient Framework 2 (IRF2)

Intelligent Resilient Framework 2 (IRF 2) virtualizes multiple NX-6550 switches into one virtual switch and provides the following benefits:

Scalability: IRF 2 allows you to add devices to the IRF 2 system easily. It provides a single point of management, enables switch plug-and-play, and supports software auto-update for software synchronization from the master to the new member devices. It brings business agility with lower total cost of ownership by allowing new switches to be added to the fabric without network topology change as business grows.

High availability: The NODEXON proprietary routing hot backup technology ensures redundancy and backup of all information on the control and data planes and non-stop Layer 3 data forwarding in an IRF 2 fabric. It also eliminates single point of failure and ensures service continuity.

Redundancy and load balancing: The distributed link aggregation technology supports load sharing and mutual backup among multiple uplinks, which enhances the network redundancy and improves link resources usage.

Flexibility and resiliency: The switch use standard GE ports instead of specialized ports for IRF links between IRF member devices. This allows customers to assign bandwidth as needed between uplink, downlink, and IRF system connections. In addition, an NX-6550 IRF fabric can span a rack, multiple racks, or multiple campuses.

Wide Range of Advanced Features

The switch offers a wide range of features, including:

Modular hardware and software design: The switch uses modular, hot swapping, and redundancy design for hardware, including power modules and fan trays. The switch also uses modular design for software, which enables feature installation and removal on an as-needed basis.

Software-defined networking (SDN): An innovative network architecture that separates the control plane from the forwarding plane, typically by using OpenFlow. SDN significantly simplifies network management, reduces maintenance complexities and costs, enables flexible traffic management, and offers a good platform for network and

Virtual eXtensible LAN (VXLAN): A MAC-in-UDP technology that provides Layer 2 connectivity between distant network sites across an IP network. VXLAN enables long-distance virtual machine and data mobility and is typically used in data centers and the access layer of campus networks for multitenant services.

Ethernet Virtual Private Network (EVPN): A Layer 2 VPN technology that provides both Layer 2 and Layer 3 connectivity between distant network sites across an IP network. EVPN uses MP-BGP in the control plane and VXLAN in the data plane. EVPN provides the following benefits: Configuration automation; Separation of the

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Comprehensive Security Control Policies

The switch supports AAA authentications (including RADIUS authentication) and dynamic or static binding of user identifiers such as user account, IP address, MAC address, VLAN, and port number.

Using the switch in conjunction with NODEXON IMC, you can manage and monitor online users in real time and take prompt action on illegitimate behaviors.

The User Profile allows to define a set of policies based on user group in different application scenario.

The switch offers a large number of inbound and outbound ACLs and VLAN-based ACL assignment. This simplifies configurations and saves ACL resources.

MACsec

MACsec is an ideal hop-by-hop link-layer security protocol for Ethernet networks, which are typically insecure. It provides the following services:

Data encryption: Encrypts data over the Ethernet link to protect data against security issues such as eavesdropping.

Anti-replay: Prevents packets from being intercepted and modified en route to protect the network against unauthorized access.

Tampering protection: prevents packet tampering to protect data integrity. MACsec supports the following deployments:

Client-oriented: Protects data transmission over the link between the client and its access device. Device-oriented mode: Protects data transmission over the link between two peering devices.

The switch can cooperate with NODEXON iNode client and core switches such as NX-6550 Series to provide a complete MACsec solution.

High Availability

In addition to node and link protection, the switch offers the following hardware high availability features:

- 1+1 power module redundancy and 1+1 fan tray redundancy.
- Hot-swappable interface modules.
- Automatic power and fan tray status monitoring and alarming mechanisms.
- Automatic fan speed adjustment based on the change in temperature.
- Self-protection mechanisms that protect power modules against overcurrent, overvoltage, and overtemperature

High Availability

The switch provides a variety of management features and is easy to manage. It offers the following device management features:

- Provides multiple management interfaces, including the console port, out-of-band management Ethernet port, and USB port.
- Supports configuration and management from CLI or NODEXON IMC Intelligent Management Center.
- Supports multiple access methods, including SNMPv1/v2c/v3, Telnet, and more secure SSH 2.0 and SSL.
- Uses OAM to enhance system management capability. Supports FTP for system upgrade

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Smart Network Management Center (SmartNMC)

SmartNMC is NODEXON's latest offering and innovation that helps small and middle size enterprise network to address management issue and is free of charge, easy to use web management tool. SmartNMC is embedded network management tool into the switch, it includes commander switches and other access switches.

SmartNMC delivers the following benefits:

Intelligent operation: once the switch is powered on and SmartNMC function is enabled, topology will be created automatically and user can go enhanced web GUI to check the latest status.

Centralized management: all management can be achieved via commander switch such as centralized configuration backup, and software version management, increasing working efficiency.

One key device replacement: in case of one switch failure, the new added same type switch can download the same configuration and work as old switch immediately

Multi-chassis Link Aggregation Group (M-LAG) (Original DRNI)

NODEXON S6555 Series switches support M-LAG, which enables links of multiple switches to aggregate into one to implement device-level link backup. M-LAG is applicable to servers dual-homed to a pair of access devices for node redundancy.

Streamlined topology: M-LAG simplifies the network topology and spanning tree configuration by virtualizing two physical devices into one logical device.

Independent upgrading: The DR member devices can be upgraded independently one by one to minimize the impact on traffic forwarding.

High availability: The DR system uses a keepalive link to detect multi-active collision to ensure that only one member device forwards traffic after a DR system splits.

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Multi-Gigabit 10GE Switches
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TECHNICAL SPECIFICATIONS

SPECIFICATIONS	NX-6550-26CM-HPE	NX-6550-26XC-HPE	NX-6550-54XC-HPE
Port switching capacity	640Gbps	1440Gbps	336Gbps
Packet forwarding rate	240 Mpps	600 Mpps	252 Mpps
Box switching capacity	1.44Tbps		
Dimensions (W × D × H)	440 × 460 × 43.6 mm (17.32 x 18.11 x 1.71 in)	440 × 460 × 43.6 mm (17.32 x 18.11 x 1.71 in)	440 × 460 × 43.6 mm (1.72 × 17.32 × 10.24 in)
Weight	≤ 8.7 kg	≤ 8.8 kg	≤ 10 kg
CPU	Dual Core, 1.6GHz		
Flash/SDRAM	1GB/2GB		
Packet buffer	3M		
Management Ethernet ports	1		
Console ports	1 (rear panel)		
Service ports	24 × 100M/1G/2.5G/ 5G/ Base-T(UPOE)	24 × 100M/1G/2.5G/ 5G/10G/Base-T(UPOE)	48 × 100M/1G/2.5G/ 5G/10G/Base-T(UPOE) + 4X 40G QSFP Plus
Expansion slots	1	1	1
Expansion modules	2-port 10G SFP+ with MACSec Interface Module 2-port 10G BASE-T with MACSec Interface Module 2-Port 10G SFP Plus Ethernet Optical Interface Module 8-Port 10G SFP+ with MACSec Interface Module 4-Port 10/100/1000BASE-T Ethernet,6-Port SFP (2-Port Combo) Interface Module 8-Port 1/2.5/5G BASE-T Ethernet Copper Interface Module 8-Port 1/2.5/5/10G BASE-T Ethernet Copper Interface Module 2-port 25GE SFP28 interface module 2-port 40GE QSFP+ interface module		

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Multi-Gigabit 10GE Switches
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TECHNICAL SPECIFICATIONS

SPECIFICATIONS	NX-6550-26CM-HPE	NX-6550-26XC-HPE	NX-6550-54XC-HPE
Input voltage range	AC Rated: 100 VAC to 240 VAC @ 50 Hz/60 Hz DC: -48V~-60V		
Fan Trays	2		
Power Supply Slots	2		
Idle Power Consumption	AC: 45W DC:46W	AC: 69W DC:73W	AC: 100W DC:85W
Max. power consumption	AC: 2428W DC:960W	AC: 2384W DC:1047W	AC: 2333W DC:1039W
Storage temperature	-40°C to 70°C (-40°F to 158°F)		
Operating tempaerature	0°C to 45°C (32°F to 113°F) -60m-5000m altitude: From 0m, the maximum operating temperature reduce by 0.33°C for every time 100 the altitude increases by 100m.		
Operating & storage humidity	5% RH to 95% RH, non-condensing		
MTBF(Year)	83.6	58.1	58.1
MTTR(Hour)	1	1	1

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SOFTWARE SPECIFICATIONS

SPECIFICATIONS	NX-6550 Series
VLAN	VLAN ID range 0 to 4095(Total 4096) Access/Trunk/Hybrid VLAN port-based VLAN MAC-based VLAN IP subnet-based VLAN protocol-based VLAN IEEE 802.1P(CoS priority) Super VLAN Private VLAN Voice VLAN QinQ(802.1Q-in-802.1Q) and flexible QinQ Vlan mapping Static/Dynamic/Blackhole/Multiport unicast MAC MAC automatic learning and aging port-based/VLAN-based MAC learning limit MAC filter Port isolation IEEE 802.3x flow control (full duplex) Storm suppression based on port rate percentage PPS-based storm suppression BPS-based storm suppression Loop detection(VLAN and VXLAN network) MVRP(Multiple VLAN Registration Protocol) GVRP(Generic VLAN Registration Protocol) STP(Spanning tree protocol) RSTP(Rapid Spanning Tree Protocol) MSTP(Multiple Spanning Tree Protocol) PVST(Per-VLAN Spanning Tree) (compatible with PVST+/RPVST+) BPDU/root/loop/TC-BPDU/PVST BPDU/disputeloopback guard BPDU filter Role/TC-BPDU transmission restriction LLDP(Link Layer Discovery Protocol) and LLDP-MED(Link Layer Discovery Protocol Media Endpoint Discovery) DCBX(Data Center Bridging Exchange Protocol) Broadcast/multicast/unknown unicast storm constrain Jumbo frame(maximum frame length supported is 13312) Store-and-forward(Default) Cut-through-forward

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SPECIFICATIONS	NX-6550 Series
VXLAN	VXLAN L2 switching VXLAN L3 routing Centralized VXLAN gateway Distributed VXLAN gateway VXLAN M-LAG VXLAN-DCI OVSDB(Open vSwitch Database) VXLAN VTEP MP-BGP EVPN control plane EVPN VXLAN EVPN M-LAG
Ethernet link aggregation	Dtatic aggregation Dynamic aggregation S-MLAG(Simple multichassis link aggregation) 10GE/25G/40GE/100GE port aggregation LACP(Link Aggregation Control Protocol) M-LAG(Multichassis Link Aggregation)
IP Services	Static/Dynamic/Gratuitous/proxy ARP ARP snooping/fast-reply/direct route advertisement/ping ARP attack detection ARP source suppression Ping, Tracert DHCP(Dynamic Host Configuration Protocol) DHCP Server/relay agent/client/snooping DHCP Option 43, Option 82, and Option 184, DNS(Domain Name System) DDNS(Dynamic Domain Name System) mDNS(Multicast Domain Name System) IRDP(ICMP Router Discovery Protocol) UDP helper ND(Neighbor Discovery) ND snooping/proxy/direct route advertisement/ping DHCPv6 Server/relay agent/client/snooping/guard GRE(Generic Routing Encapsulation) HTTP redirect GRE tunneling VXLAN tunneling and VXLAN-DCI tunneling IPv4/IPv6 over IPv4 tunneling, and IPv4/IPv6 over IPv6 tunneling IPv4/IPv6 Fast Fowarding

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SOFTWARE SPECIFICATIONS

SPECIFICATIONS	NX-6550 Series
Routing	Static routing, RIP, OSPF, IS-IS, and BGP IPv6 static routing, RIPng, OSPFv3, IS-ISv6, and BGP4+ IPv4/IPv6 dual stack IPv4/IPv6 ECMP(Equal-cost multi-path routing) IPv4/IPv6 PBR(Policy-based routing) IPv4/IPv6 Routing policy Pingv6, Telnetv6, FTPv6, TFTPv6, DNSv6, ICMPv6 Dual-stack PBR(policy-based routing)
Multicast	PIM-DM, PIM-SM, PIM-SSM, and Any-RP PIM snooping MSDP(Multicast Source Discovery Protocol) IGMPv1/IGMPv2/IGMPv3 IGMP proxying IGMP Snooping IGMP snooping proxying IGMP Filter and IGMP Fast leave IPv6 PIM-DM, PIM-SM, PIM-SSM, and Any-RP IPv6 PIM snooping MLDv1/MLDV2 MLD proxying MLD Snooping MLD snooping proxying Multicast routing and forwarding Multicast VLAN MVPN(Multicast VPN) Multicast policy and Multicast QoS
ACL/QoS	ACL(Access Control List) advanced ACL User-defined ACL Ingress and Egress ACL Ingress/Egress CAR Diff-Serv QoS Eight queues each interface

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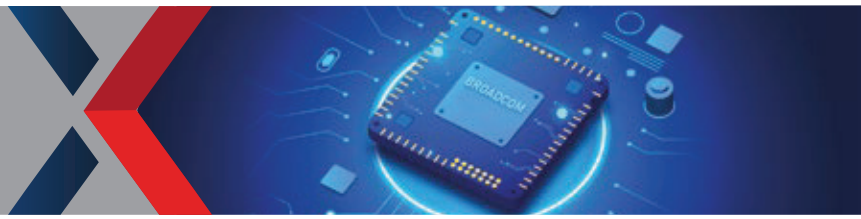

SOFTWARE SPECIFICATIONS

SPECIFICATIONS	NX-6550 Series
	802.1P/DSCP Priority marking and remarking 802.1p, TOS, DSCP, and EXP priority mapping Flexible queue scheduling algorithms including SP, WRR, SP+WRR Traffic shaping Traffic redirecting Layer 2 to Layer 4 packet filtering Time ranges Traffic classification based on source MAC, destination MAC, source IP, destination IP, port, protocol, and VLAN Congestion avoidance, Tail-Drop, RED(Random Early Detection) and WRED(Weighted Random Early Detection)
MPLS	Static LSP(label switched path) LDP(Label Distribution Protocol) IPv6 LDP Tunnel policies VRF(Virtual Routing and Forwarding) MPLS L2VPN MPLS L3VPN MPLS Ping/Tracert MCE(Multi-VPN Instance Customer Edge) IPv6 MCE MPLS OAM
Security	RBAC(Role-based access control) AAA(Authentication, Authorization, and Accounting) RADIUS(Remote Authentication Dial-In User Service) TACACS(Terminal Access Controller Access Control System) HWTACACS(HW Terminal Access Controller Access Control System) (Same authentication processes and implementations with TACACS+) User hierarchical management and password protection 802.1X authentication Portal authentication MAC authentication Web authentication

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SOFTWARE SPECIFICATIONS

MODEL	NX-6550 Series
	Triple authentication Guest VLAN Port security IP/Port/MAC binding SSH1.x and SSH2.0(Secure Shell) SSL(Secure Sockets Layer) HTTPs Public Key Infrastructure (PKI) Control Plane Protection (CoPP), Wireless Intrusion Prevention System (WIPS) Attack detection and prevention TCP attack prevention IPSG(IP source guard) IPv6 RA Guard ARP attack protection ND attack protection uRPF(Unicast Reverse Path Forwarding) MFF(MAC-forced forwarding) SAVI(Source Address Validation Improvement) FIPS(Federal Information Processing Standards) MACsec(Media Access Control Security) All ports AES256 MACsec Microsegmentation Hierarchical user management and password protection EAD(Endpoint Admission Defense) Basic and advanced ACLs for packet filtering OSPF, RIPv2, BGPv4 plain text and MD5 authentication
High Availability	Ethernet OAM(IEEE 802.3ah) CFD(Connectivity Fault Detection)(IEEE 802.1ag and ITU-T Y.1731) DLDP(Device Link Detection Protocol) RRPP(Rapid Ring Protection Protocol) ERPS(G.8032 Ethernet Ring Protection Switching) Smart Link Monitor Link VRRPv2(Virtual Router Redundancy Protocol) VRRPv3

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PoE POWER CAPACITY

MODEL		Product Description						
Power supply 1	Power supply 2	PoE per port	S6550 -26MC-UPWR-SI		S6520X-26XC-UPWR-SI		S6520X-54XC-UPWR-SI	
			Total PoE power capacity	PoE Ports Qty	Total PoE power capacity	PoE Ports Qty	Total PoE power capacity	PoE Ports Qty
PSR360-56A	/	15.4W (802.3af):	210 W	13	180 W	11	90 W	5
		30W (802.3at):		7		6		3
		60W (802.3bt):		3		3		1
		90W (802.3bt):		2		2		1
PSR360-56A	PSR360-56A	15.4W (802.3af):	540 W	24	510 W	24	420 W	27
		30W (802.3at):		18		17		14
		60W (802.3bt):		9		8		7
		90W (802.3bt):		6		5		4
PSR560-56D	/	15.4W (802.3af):	390 W	24	360 W	23	270 W	17
		30W (802.3at):		13		12		9
		60W (802.3bt):		6		6		4
		90W (802.3bt):		4		4		3
PSR560-56D	PSR360-56A	15.4W (802.3af):	750 W	24	690 W	24	600 W	38
		30W (802.3at):		24		23		20
		60W (802.3bt):		12		11		10
		90W (802.3bt):		8		7		6
PSR560-56D	PSR560-56D	15.4W (802.3af):	900 W	24	900 W	24	810 W	48
		30W (802.3at):		24		24		27
		60W (802.3bt):		15		15		13
		90W (802.3bt):		10		10		9

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PoE POWER CAPACITY

MODEL		Product Description						
Power supply 1	Power supply 2	PoE per port	S6520X-26MC-UPWR-SI		S6520X-26XC-UPWR-SI		S6520X-54XC-UPWR-SI	
			Total PoE power capacity	PoE Ports Qty	Total PoE power capacity	PoE Ports Qty	Total PoE power capacity	PoE Ports Qty
PSR720-56A	/	15.4W (802.3af):	540 W	24	510 W	24	420 W	27
		30W (802.3at):		18		17		14
		60W (802.3bt):		9		8		7
		90W (802.3bt):		6		5		4
PSR720-56A	PSR360-56A	15.4W (802.3af):	900 W	24	870 W	24	780 W	48
		30W (802.3at):		24		24		26
		60W (802.3bt):		15		14		13
		90W (802.3bt):		10		9		8
PSR720-56A	PSR560-56D	15.4W (802.3af):	1100 W	24	1050 W	24	960 W	48
		30W (802.3at):		24		24		32
		60W (802.3bt):		18		17		16
		90W (802.3bt):		12		11		10
PSR720-56A	PSR720-56A	15.4W (802.3af):	1260 W	24	1230W	24	1140 W	48
		30W (802.3at):		24		24		38
		60W (802.3bt):		21		20		19
		90W (802.3bt):		14		13		12
PSR1110-56A	/	15.4W (802.3af):	900 W	24	900 W	24	810 W	48
		30W (802.3at):		24		24		27
		60W (802.3bt):		15		15		13
		90W (802.3bt):		10		10		9

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PoE POWER CAPACITY

MODEL		Product Description						
Power supply 1	Power supply 2	PoE per port	S6520X-26MC-UPWR-SI		S6520X-26XC-UPWR-SI		S6520X-54XC-UPWR-SI	
			Total PoE power capacity	PoE Ports Qty	Total PoE power capacity	PoE Ports Qty	Total PoE power capacity	PoE Ports Qty
PSR1110-56A	PSR360-56A	15.4W (802.3af):	1260 W	24	1260 W	24	1170 W	48
		30W (802.3at):		24		24		39
		60W (802.3bt):		21		21		19
		90W (802.3bt):		14		14		13
PSR1110-56A	PSR560-56D	15.4W (802.3af):	1500 W	24	1440 W	24	1350 W	48
		30W (802.3at):		24		24		45
		60W (802.3bt):		24		24		22
		90W (802.3bt):		16		16		15
PSR1110-56A	PSR720-56A	15.4W (802.3af):	1650 W	24	1620 W	24	1530W	48
		30W (802.3at):		24		24		48
		60W (802.3bt):		24		24		25

ORDERING INFORMATION

MODEL	Product Description
NX-6550 -18C-SI-GL	NX-6550-18C-SI L3 Ethernet Switch with 16*1G/10G BASE-X SFP Plus Ports and 1*Slot,Without Power Supplies
NX-6550 -26C-SI-GL	NX-6550-26C-SI L3 Ethernet Switch with 24*1G/10G BASE-X SFP Plus Ports and 1*Slot,Without Power Supplies
NX-6550 -26MC-SI-GL	NX-6550-26MC-SI L3 Ethernet Switch with 24*100M/1G/2.5G/5GBase-T Ports and 1*Slot, Without Power Supplies

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ORDERING INFORMATION

MODEL	Product Description
NX-6520X-26MC-UPWR-SI-GL	NX-6550-26MC-UPWR-SI L3 Ethernet Switch with 24*100M/1G/2.5G/5GBase-T(UPOE) Ports and 1*Slot, Without Power Supplies
NX-6520X-26XC-UPWR-SI	NX-6550-26XC-UPWR-SI L3 Ethernet Switch with 24*100M/1G/2.5G/5G/10GBase-T UPoE Ports and 1* Slot, Without Power Supplies
NX-6520X-54XC-UPWR-SI	NX-6550-54XC-UPWR-SI L3 Ethernet Switch with 48*100M/1G/2.5G/5G/10GBase-T UPoE Ports,4*QSFP Plus Ports and 1*Slot, Without Power Supplies
Power supply	
NX-PSR75-12A-GL	75W AC Pluggable Power Module
NX-PSR150-A1-GL	150W Asset-manageable AC Power Module
NX-PSR150-D1-GL	150W Asset-manageable DC Power Module
NX-PSR560-56D	560W DC Pluggable Power Module
NX-PSR360-56A-GL	360W PoE AC Power Supply Module
NX-PSR720-56A-GL	720W PoE AC Power Supply Module
NX-PSR1110-56A-GL	1110W PoE AC Power Supply Module
Fan	
LSPM1FANSB	Ethernet Switch Fan Module(Port to Power Airflow)
Modules	
NXWM2QP2P	2-Port 40G QSFP Plus Interface Card
NXW2SP2PM	2-Port 10G SFP Plus Interface Card with MACSec
NXW2XGT2PM	2-Port 10G BASE-T Interface Card with MACSec
NXWM4SP8PM	8-Port 10G SFP Plus with MACSec Interface Module
NXPM4G4T6P	4-Port 10/100/1000BASE-T Ethernet,6-Port SFP(2-Port Combo) Interface Module
NXWM2MGT8P	8-Port 1/2.5/5G BASE-T Ethernet Copper Interface Module
NXWM2XMGT8P	8-Port 1/2.5/5/10G BASE-T Ethernet Copper Interface Module
NXWM2ZSP2P	2-Port 25G SFP28 Ethernet Optical Interface Module

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ORDERING INFORMATION

MODEL	Product Description
NXWM2SP2PB	2-Port 10G SFP Plus Ethernet Optical Interface Module
Wireless license	
LIS-WX-128-BE	Enhanced Access Controller License,128 Aps
LIS-WX-32-BE	Enhanced Access Controller License,32 Aps
LIS-WX-16-BE	Enhanced Access Controller License,16 Aps
LIS-WX-8-BE	Enhanced Access Controller License,8 Aps
LIS-WX-1-BE	Enhanced Access Controller License,1 AP
Transceivers	
SFP-GE-SX-MM850-A	1000BASE-SX SFP Transceiver, Multi-Mode (850nm, 550m, LC)
SFP-GE-LX-SM1310-A	1000BASE-LX SFP Transceiver, Single Mode (1310nm, 10km, LC)
SFP-GE-LH40-SM1310	1000BASE-LH40 SFP Transceiver, Single Mode (1310nm, 40km, LC)
SFP-GE-LH40-SM1550	1000BASE-LH40 SFP Transceiver, Single Mode (1550nm, 40km, LC)
SFP-GE-LH80-SM1550	1000BASE-LH80 SFP Transceiver, Single Mode (1550nm, 80km, LC)
SFP-GE-LH100-SM1550	1000BASE-LH100 SFP Transceiver, Single Mode (1550nm, 100km, LC)
SFP-GE-LX-SM1310-BIDI	1000BASE-LX BIDI SFP Transceiver, Single Mode (TX1310/RX1490, 10km, LC)
SFP-GE-LX-SM1490-BIDI	1000BASE-LX BIDI SFP Transceiver, Single Mode (TX1490/RX1310, 10km, LC)
SFP-GE-T	1000BASE-T SFP
SFP-XG-LH40-SM1550	SFP+ Module(1550nm,40km,LC)
SFP-XG-LX-SM1310-E	SFP+ Module(1310nm,10km,LC)
SFP-XG-SX-MM850-E	SFP+ Module(850nm,300m,LC)
SFP-25G-SR-MM850	25G SFP28 Optical Transceiver Module (850nm,100m,SR,MM,LC)
QSFP-40G-LR4-WDM1300	40GBASE-LR4 QSFP+ Optical Transceiver Module
QSFP-40G-CSR4-MM850	QSFP+ 40GBASE Optical Transceiver Module (850nm,300m,CSR4,Support 40G to 4*10G)

Datasheet

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Multi-Gigabit 10GE Switches
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MODEL	Product Description
QSFP-40G-SR4-MM850	QSFP+ 40GBASE Optical Transceiver Module (850nm,100m,SR4,Support 40G to 4*10G)
QSFP-100G-SR4-MM850	100G QSFP28 Optical Transceiver Module (850nm,100m OM4,SR4,MPO)
QSFP-100G-LR4-WDM1300	100G QSFP28 Optical Transceiver Module(1310nm,10km,LR4,WDM,LC)
QSFP-100G-LR4L-WDM1300	100G QSFP28 Optical Transceiver Module (1310nm,2km,LR4L,CWDM4,LC)
Cables	
CAB-CON-1.8m	Single Cable, Console Serial Port Cable,1.8m, D9F,28UL20276(4P)(P296U),MPH-8P8C
NXWM1STK	SFP+ Cable 0.65m
NXWM2STK	SFP+ Cable 1.2m
NXWM3STK	SFP+ Cable 3m
SFP-25G-D-CAB-1M	25G SFP28 to 25G SFP28 1m Passive Cable
SFP-25G-D-CAB-3M	25G SFP28 to 25G SFP28 3m Passive Cable
SFP-25G-D-CAB-5M	25G SFP28 to 25G SFP28 5m Passive Cable
NXWM1QSTK0	40G QSFP+ Cable 1m
NXWM1QSTK1	40G QSFP+ Cable 3m
NXWM1QSTK2	40G QSFP+ Cable 5m
NXWM1QSTK3	40G QSFP+ to 4x10G SFP+ Cable 1m
NXWM1QSTK4	40G QSFP+ to 4x10G SFP+ Cable 3m
NXWM1QSTK5	40G QSFP+ to 4x10G SFP+ Cable 5m
QSFP-100G-D-CAB-1M	100G QSFP28 to 100G QSFP28 1m Passive Cable
QSFP-100G-D-CAB-3M	100G QSFP28 to 100G QSFP28 3m Passive Cable
QSFP-100G-D-CAB-5M	100G QSFP28 to 100G QSFP28 5m Passive Cable
QSFP-100G-4SFP-25G-CAB-1M	100G QSFP28 to 4x25G SFP28 1m Passive Cable

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MODEL	Product Description
QSFP-100G-4SFP-25G-CAB-3M	100G QSFP28 to 4x25G SFP28 3m Passive Cable
QSFP-100G-4SFP-25G-CAB-5M	100G QSFP28 to 4x25G SFP28 5m Passive Cable
OP-MPO8-8LC-10-M	Fiber Connector, MPO(8 core)/PC,8LC/PC(0.5m),Multimode(OM3),3.0mm,10.0m
OP-MPO8-MPO8-10-M	Fiber connector, MPO(8 core)/PC,MPO(8 core)/PC, Multimode(OM3),3.0mm,10.0m
OP-MPO8-MPO8-50-M	Fiber connector, MPO(8 core)/PC,MPO(8 core)/PC, Multimode(OM3),3.0mm,50.0m
OP-MPO8-MPO8-100-M	Fiber connector, MPO(8 core)/PC,MPO(8 core)/PC, Multimode(OM3),3.0mm,100.0m
OP-MPO8-MPO8-200-M	Fiber connector, MPO(8 core)/PC,MPO(8 core)/PC, Multimode(OM3),3.0mm,200.0m