

# Cisco Nexus 5672UP - Switch - L3

Managed - 32 x 1 Gigabit / 10 Gigabit SFP+ + 16 x combo 1 Gigabit / 10Gb Ethernet / 2/4/8Gb Fibre Channel / FCoE SFP+ + 6 x 40Gb Ethernet / FCoE QSFP+ (breakout compatible) - rack-mountable



|                       |                   |
|-----------------------|-------------------|
| Group                 | Network Equipment |
| Manufacturer          | Cisco             |
| Manufacturer item no. | N5K-C5672UP       |
| EAN/UPC               | 0882658708572     |

## Description

The Cisco Nexus 5672UP is a wire-rate Layer 2 and Layer 3 switch offering 10 Gigabit Ethernet and unified ports (UP) in a compact one-rack-unit form factor. It is optimized for 10 Gigabit Ethernet top-of-rack access, Cisco Fabric Extender (FEX) aggregation, Virtual Extensible LAN (VXLAN) segmentation, and LAN-SAN convergence. It delivers high performance, operational efficiency, and design flexibility for traditional, virtualized, and cloud environments.

## Main features

|                            |   |
|----------------------------|---|
| Product Description        | Cisco Nexus 5672UP - switch - 48 ports - Managed - rack-mountable   |
| Device Type                | Switch - 48 ports - L3 - Managed  |
| Enclosure Type             | Rack-mountable 1U   |
| Subtype                    | 10 Gigabit Ethernet   |
| Ports                      | 32 x 1 Gigabit / 10 Gigabit SFP+ + 16 x combo 1 Gigabit / 10Gb Ethernet / 2/4/8Gb Fibre Channel / FCoE SFP+ + 6 x 40Gb Ethernet / FCoE QSFP+ (breakout compatible)  |
| Performance                | Forwarding performance: 1.44 Tbps   |
| Capacity                   | ARP entries: 256000   Virtual interfaces (VLANs): 4096   ACL entries: 4000   Multiple Spanning Tree Protocol instances: 64   Host table entries (IPv4): 32000   Host table entries (IPv6): 8000   Multicast entries (IPv4): 8000   IGMP snooping entries: 8000   Virtual Routing and Forwarding (VRF) entries: 4000   Equal-Cost Multipathing (ECMP) ways: 64 |
| MAC Address Table Size     | 256K entries  |
| Jumbo Frame Support        | 9216 bytes  |
| Routing Protocol           | IS-IS, RIP-2, BGP, EIGRP, HSRP, IGMP, VRRP, OSPFv2, PIM-SM, EIGRP for IPv6, OSPF for IPv6, static IPv4 routing, static IPv6 routing, ECMP, policy-based routing (PBR), Bidirectional Forwarding Detection (BFD), BGP for IPv6   |
| Remote Management Protocol | SNMP 1, SNMP 2, RMON, Telnet, SNMP 3, SSH-2, CLI  |

|                     |  |
|---------------------|--|
| Features            | Routing, Layer 3 switching, DHCP support, VPN support, ARP support, VLAN support, Syslog support, Weighted Round Robin (WRR) queuing, Broadcast Storm Control, IPv6 support, Multicast Storm Control, Unicast Storm Control, Virtual Route Redundancy Protocol (VRRP) support, Multiple Spanning Tree Protocol (MSTP) support, Data Center Bridging Exchange (DCBX) support, Access Control List (ACL) support, Quality of Service (QoS), RADIUS support, SSH support, Jumbo Frames support, Dynamic ARP Inspection (DAI), Equal-Cost Multipath (ECMP), Bidirectional Forwarding Detection (BFD), STP Root Guard, Unicast Reverse Path Forwarding (URPF), IPv4 support, Link Aggregation Control Protocol (LACP), Per-VLAN Rapid Spanning Tree (PVRST), Hot Standby Router Protocol (HSRP) support, Management Information Base (MIB), Multicast VLAN Registration (MVR), Virtual Routing and Forwarding (VRF), redundant hot swappable fans, static routing, Transparent (N_Port ID Virtualization - NPIV) mode support, Registered State Change Notification (RSCN) support, Call Home function support, FCoE forwarding, STP PortFast, Class of Service (CoS), Multicast Source Discovery Protocol (MSDP), SNMP support, Virtual PortChannel (vPC) technology |
| Compliant Standards | IEEE 802.3, IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.3ae, IEEE 802.1s, IEEE 802.1Qbb, IEEE 802.1Qaz, FIP v1  |
| Power               | AC 120/230 V (50/60 Hz)  |
| Power Redundancy    | Yes  |
| Dimensions (WxDxH)  | 43.9 cm x 76.2 cm x 4.4 cm   |
| Weight              | 14.5 kg  |

## Extended details

| General                    |   |
|----------------------------|---|
| Device Type                | Switch - 48 ports - L3 - Managed  |
| Enclosure Type             | Rack-mountable 1U   |
| Subtype                    | 10 Gigabit Ethernet   |
| Ports                      | 32 x 1 Gigabit / 10 Gigabit SFP+ + 16 x combo 1 Gigabit / 10Gb Ethernet / 2/4/8Gb Fibre Channel / FCoE SFP+ + 6 x 40Gb Ethernet / FCoE QSFP+ (breakout compatible)  |
| Performance                | Forwarding performance: 1.44 Tbps   |
| Capacity                   | ARP entries: 256000   Virtual interfaces (VLANs): 4096   ACL entries: 4000   Multiple Spanning Tree Protocol instances: 64   Host table entries (IPv4): 32000   Host table entries (IPv6): 8000   Multicast entries (IPv4): 8000   IGMP snooping entries: 8000   Virtual Routing and Forwarding (VRF) entries: 4000   Equal-Cost Multipathing (ECMP) ways: 64 |
| MAC Address Table Size     | 256K entries  |
| Jumbo Frame Support        | 9216 bytes  |
| Routing Protocol           | IS-IS, RIP-2, BGP, EIGRP, HSRP, IGMP, VRRP, OSPFv2, PIM-SM, EIGRP for IPv6, OSPF for IPv6, static IPv4 routing, static IPv6 routing, ECMP, policy-based routing (PBR), Bidirectional Forwarding Detection (BFD), BGP for IPv6   |
| Remote Management Protocol | SNMP 1, SNMP 2, RMON, Telnet, SNMP 3, SSH-2, CLI  |
| Encryption Algorithm       | AES   |
| Authentication Method      | Secure Shell (SSH), RADIUS, TACACS+, MS-CHAP  |

|                           |  |
|---------------------------|--|
| Features                  | Routing, Layer 3 switching, DHCP support, VPN support, ARP support, VLAN support, Syslog support, Weighted Round Robin (WRR) queuing, Broadcast Storm Control, IPv6 support, Multicast Storm Control, Unicast Storm Control, Virtual Route Redundancy Protocol (VRRP) support, Multiple Spanning Tree Protocol (MSTP) support, Data Center Bridging Exchange (DCBX) support, Access Control List (ACL) support, Quality of Service (QoS), RADIUS support, SSH support, Jumbo Frames support, Dynamic ARP Inspection (DAI), Equal-Cost Multipath (ECMP), Bidirectional Forwarding Detection (BFD), STP Root Guard, Unicast Reverse Path Forwarding (URPF), IPv4 support, Link Aggregation Control Protocol (LACP), Per-VLAN Rapid Spanning Tree (PVRST), Hot Standby Router Protocol (HSRP) support, Management Information Base (MIB), Multicast VLAN Registration (MVR), Virtual Routing and Forwarding (VRF), redundant hot swappable fans, static routing, Transparent (N_Port ID Virtualization - NPIV) mode support, Registered State Change Notification (RSCN) support, Call Home function support, FCoE forwarding, STP PortFast, Class of Service (CoS), Multicast Source Discovery Protocol (MSDP), SNMP support, Virtual PortChannel (vPC) technology |
| Compliant Standards       | IEEE 802.3, IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.3ae, IEEE 802.1s, IEEE 802.1Qbb, IEEE 802.1Qaz, FIP v1  |
| Status Indicators         | Port status  |
|                           | <b>Expansion / Connectivity</b>  |
| Interfaces                | 48 x SFP+   6 x QSFP+   1 x console RJ-45 management   1 x 1000Base-T RJ-45 management   1 x USB   |
|                           | <b>Power</b>   |
| Power Device              | Internal power supply - hot-plug   |
| Installed Qty             | 2 (installed) / 2 (max)  |
| Power Redundancy          | Yes  |
| Power Redundancy Scheme   | 1+1  |
| Power Provided            | 1100 Watt  |
| Voltage Required          | AC 120/230 V (50/60 Hz)  |
|                           | <b>Miscellaneous</b>   |
| Compliant Standards       | CISPR 22 Class A, CISPR 24, EN 61000-3-2, EN 61000-3-3, EN55024, EN55022 Class A, AS/NZS 60950-1, EMC, ICES-003 Class A, AES, FCC CFR47 Part 15, UL 60950-1 Second Edition, RoHS, GB 4943, Directive 2004/108/EC, EN 60950-1 Second Edition, IEC 60950-1 Second Edition, Directive 2006/95/EC, VCCI Class A, CNS 13438(95) Class A, KN22 Class A, AS/NZS CISPR 22, CAN/CSA-C22.2 No. 60950-1, EN 300386  |
|                           | <b>Software / System Requirements</b>  |
| Software Included         | Cisco NX-OS  |
|                           | <b>Dimensions &amp; Weight</b>   |
| Width                     | 43.9 cm  |
| Depth                     | 76.2 cm  |
| Height                    | 4.4 cm   |
| Weight                    | 14.5 kg  |
|                           | <b>Manufacturer Warranty</b>   |
| Service & Support         | Limited warranty - advance parts replacement - 1 year - response time: 10 days   |
|                           | <b>Environmental Parameters</b>  |
| Min Operating Temperature | 0 °C   |
| Max Operating Temperature | 40 °C  |

|                          |                          |
|--------------------------|--------------------------|
| Humidity Range Operating | 5 - 95% (non-condensing) |
| Min Storage Temperature  | -40 °C                   |
| Max Storage Temperature  | 70 °C                    |

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