

# Refurbished CISCO N5K-C5596UP-FA Datasheet

CISCO > SWITCHES

## Cisco Nexus 5000 Series Switches

### Cisco Nexus 5500 Platform Transceiver Support Matrix

Cisco SFP	
<b>FET-10G</b>	10-Gbps SFP+ module for Cisco Nexus 2000 Series to Cisco Nexus 5000 Series connectivity
<b>Cisco SFP-10G-SR</b>	10GBASE-SR SFP+ module (multimode fiber [MMF])
<b>Cisco SFP-10G-LR</b>	10GBASE-LR SFP+ module (single-mode fiber [SMF])
<b>Cisco SFP-10G-ER</b>	10GBASE-ER-SFP+ module (single-mode fiber[SMF])
<b>Cisco SFP-H10GB-CU1M</b>	10GBASE-CU SFP+ cable 1m (Twinax cable)
<b>Cisco SFP-H10GB-CU3M</b>	10GBASE-CU SFP+ cable 3m (Twinax cable)
<b>Cisco SFP-H10GB-CU5M</b>	10GBASE-CU SFP+ cable 5m (Twinax cable)
<b>Cisco SFP-H10GB-ACU7M</b>	10GBASE-CU SFP+ cable 7m (active Twinax cable)
<b>Cisco SFP-H10GB-ACU10M</b>	10GBASE-CU SFP+ cable 10m (active Twinax cable)
<b>Cisco GLC-T</b>	1000BASE-T SFP
<b>GLC-ZX-SM</b>	1000BASE-ZX SFP transceiver module for SMF, 1550-nm wavelength, dual LC/PC connector
<b>Cisco GLC-SX-MM</b>	Gigabit Ethernet SFP, LC connector SX transceiver (MMF)
<b>Cisco GLC-SX-MMD</b>	Gigabit Ethernet SFP, LC connector SX transceiver (MMF), extended temperature range and digital optical monitoring (DOM)
<b>Cisco GLC-LH-SM</b>	Gigabit Ethernet SFP, LC connector LX/LH transceiver (SMF)
<b>Cisco GLC-LH-SMD</b>	Gigabit Ethernet SFP, LC connector LX/LH transceiver (SMF), extended temperature range and digital optical monitoring (DOM)
<b>Cisco SFP-GE-T</b>	1000BASE-T SFP, extended temperature range
<b>Cisco SFP-GE-S</b>	Gigabit Ethernet SFP, LC connector SX transceiver (MMF), extended temperature range and digital optical monitoring (DOM)
<b>Cisco SFP-GE-L</b>	Gigabit Ethernet SFP, LC connector LX/LH transceiver (SMF), extended temperature range and DOM
<b>Cisco DS-SFP-FC4G-SW</b>	4-Gbps Fibre Channel SW SFP, LC (for Fibre Channel expansion module ports)
<b>Cisco DS-SFP-FC4G-LW</b>	4-Gbps Fibre Channel LW SFP, LC (for Fibre Channel expansion module ports)
<b>Cisco DS-SFP-FC8G-SW</b>	8-Gbps Fibre Channel SW SFP+, LC (for Fibre Channel expansion module ports)
<b>Cisco DS-SFP-FC8G-LW</b>	8-Gbps Fibre Channel LW SFP+, LC (for Fibre Channel expansion module ports)

### DCB Features and Benefits

Feature	Business Benefit
<b>Priority Flow Control (PFC)</b>	Simplifies management of multiple traffic flows over a single network link Creates lossless behavior for Ethernet by allowing class-of-service (CoS)-based flow control
<b>Enhanced Transmission Selection (ETS)</b>	Enables consistent management of quality of service (QoS) at the network level by providing consistent scheduling of different traffic types (IP, storage, etc.)
<b>Data Center Bridging Exchange (DCBX) Protocol</b>	Simplifies network deployment and reduces configuration errors by providing auto negotiation of DCB features between the NIC and the switch and between switches

## Weight

Component	Weight
Cisco Nexus 5548P or 5548UP with two 750W power supplies, 1 expansion module, and 2 fan modules	35 lb (15.88 kg)
Cisco Nexus 5596UP or 5596T with two 1100W power supplies, 3 unified port expansion modules, and 4 fan modules	47.5 lb (21.55 kg)

## Regulatory Standards Compliance: Safety, Security and EMC

### Specification

<b>Regulatory compliance</b>	Products should comply with CE Markings according to directives 2004/108/EC and 2006/95/EC
<b>Safety</b>	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
<b>EMC: Emissions</b>	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
<b>EMC: Immunity</b>	EN55024 CISPR24 EN300386 KN 61000-4 series
<b>Security</b>	FIPS 140-2 Level 1
<b>RoHS</b>	The product is RoHS 6 compliant with exceptions for leaded ball grid array (BGA) balls and lead press-fit connectors

## The next steps...

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