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Overview

The Cisco® 100GBASE Quad Small Form-Factor Pluggable (QSFP) portfolio offers customers a wide variety of high-density and low-power 100 Gigabit Ethernet connectivity options for data center, high-performance computing networks, enterprise core and distribution layers, and service provider applications. The QSFP-100G modules are our new generation of 100G transceiver modules solution based on a QSFP form factor.

Quick Specs

Figure 1 shows the appearance of QSFP-100G-AOC7M.



Table 1 shows the Quick Specs.

Product Code	QSFP-100G-AOC7M
Description	Cisco 100GBase QSFP Active Optical Cable,7-meter
Dimensions	13.5 x 18.4 x 72.4 mm
Nominal Wavelength (nm)	\
Cable Type	Active optical cable assembly
Core Size (Microns)	\
Modal Bandwidth (MHz*km)	\
Cable Distance	7m
Power Consumption (W)	3.5
Pull Tab Color	Blue

Product Details

QSFP-100G Optical modules provide these highlights

- Hot-swappable input/output device that plugs into a 100G Gigabit Ethernet Cisco QSFP port
- Interoperable with other IEEE-compliant 100GBASE interfaces where applicable
- Certified and tested on Cisco QSFP-100G ports for superior performance, quality, and reliability
- High-speed electrical interface compliant to IEEE 802.3bm

Platform support

Table 2 shows the supported platforms

Supported platform	Recommended Model
Cisco Switch Catalyst 9500	C9500-24Y4C C9500-48Y4C C9500-32QC C9500-32C
Cisco Nexus 9300 Series	N9K-C93180YC-EX N9K-C93180YC-FX N9K-C9348GC-FXP N9K-C93240YC-FX2 N9K-C9336C-FX2 N9K-C93108TC-EX N9K-C93180LC-EX N9K-C9364C N9K-C9332C N9K-C93600CD-GX N9K-C9316D-GX
Cisco Nexus 3000 Series	N3K-C3232C N3K-C36180YC-R N3K-C31108PC-V N3K-C31108TC-V N3K-C3636C-R N3K-C3264C-E N3K-C3132C-Z N3K-C34180YC N3K-C3464C
Cisco Nexus 9500 Series	N9K-X9636C-R N9K-X9636C-RX
Cisco Nexus 9200 Series	N9K-C92160YC-X N9K-C92300YC

	N9K-C9236C N9K-C92304QC
Cisco Switch Catalyst 9600	C9600-LC-24C

Compare to Similar Items

Table 3 shows the comparison.

SKU	Description
QSFP-100G-AOC1M	Cisco 100GBase QSFP Active Optical Cable, 1-meter
QSFP-100G-AOC2M	Cisco 100GBase QSFP Active Optical Cable, 2-meter
QSFP-100G-AOC3M	Cisco 100GBase QSFP Active Optical Cable, 3-meter
QSFP-100G-AOC5M	Cisco 100GBase QSFP Active Optical Cable, 5-meter
QSFP-100G-AOC7M	Cisco 100GBase QSFP Active Optical Cable, 7-meter
QSFP-100G-AOC10M	Cisco 100GBase QSFP Active Optical Cable, 10-meter
QSFP-100G-AOC15M	Cisco 100GBase QSFP Active Optical Cable, 15-meter
QSFP-100G-AOC20M	Cisco 100GBase QSFP Active Optical Cable, 20-meter
QSFP-100G-AOC25M	Cisco 100GBase QSFP Active Optical Cable, 25-meter
QSFP-100G-AOC30M	Cisco 100GBase QSFP Active Optical Cable, 30-meter

Get More Information

Do you have any question about the QSFP-100G-AOC7M?

Contact us now via info@hi-network.com.

Specification

QSFP-100G-AOC7M Specification	
Description	Cisco 100GBase QSFP Active Optical Cable, 7-meter
Dimensions	13.5 x 18.4 x 72.4 mm
QSFP Port cabling specifications	
Nominal Wavelength (nm)	\
Cable Type	Active optical cable assembly
Core Size (Microns)	\
Modal Bandwidth (MHz*km) *1	\

Cable Distance	7m
Power Consumption (W)	3.5
Pull Tab Color	Blue
*1 Specified at transmission wavelength. For QSFP-40/100-SRBD, Modal Bandwidth is specified at 850nm	
Environmental Conditions and Power Requirements	
Commercial temperature	0 to 70°C (32 to 158°F)
Storage temperature	-40 to 85°C (-40 to 185°F)
Regulatory and Standards compliance	
Standards	<ul style="list-style-type: none"> • SFF-8665: QSFP+ 28 Gb/s 4X Pluggable Transceiver Solution (QSFP28) - Rev 1.8 May 10, 2013 • SFF-8636: Common Management Interface - DRAFT Rev 1.9 May 12, 2014 • 802.3™-2012 IEEE Standard for Ethernet • IEEE 802.3ba Amendment of IEEE Std 802.3-2012 • IEEE 802.3bm Amendment of IEEE Std 802.3-2012 (D3.1, 1st August 2014) • GR-20-CORE: Generic Requirements for Optical Fiber and Optical Fiber Cable • GR-326-CORE: Generic Requirements for Single-Mode Optical Connectors and Jumper Assemblies • GR-468-CORE: Generic Requirements for Optoelectronic Devices Used in Telecommunications Equipment • GR-1435-CORE: Generic Requirements for Multifiber Optical Connectors • RoHS 6
Safety	<ul style="list-style-type: none"> • Cable jacket of QSFP copper modules is UL E116441 Compliant • QSFP copper cables are ELV compliant

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