

# Cavium FastLinQ 41000 Series Interoperability Matrix

This document identifies the supported standards and lists the cables, modules, and switches tested for interoperability with Cavium™ adapters.

## SUPPORTED SPECIFICATIONS

The 41000 Series Adapters support a variety of cables and optical modules that comply with SFF8024. Specific form factor compliance is as follows:

- SFPs:
  - SFF8472 (for memory map)
  - SFF8419 or SFF8431 (low speed signals and power)
- Optical modules electrical input/output, active copper cables (ACC), and active optical cables (AOC):
  - 10G—SFF8431 limiting interface
  - 25G—IEEE 802.3by Annex 109B (25GAUI) (does not support RS-FEC)

- Passive copper cables:
  - 10G SFF8431 Annex E
  - 25G IEEE 802.3 Clause 110

## TESTED CABLES AND OPTICAL MODULES

Cavium does not guarantee that every cable or optical module that satisfies the compliance requirements will operate with the 41000 Series Adapters. Cavium has tested the components listed in Table 1 and presents this list for your convenience.

This list is based on cable and optics components that are available at the time of product release, and is subject to change over time as new components enter the market or are discontinued.

**Table 1. Tested Cables and Optical Modules**

Speed/Form Factor	Manufacturer	Part Number	Type	Cable Length <sup>a</sup>
10G DAC <sup>b</sup>	Cisco	COPQAA4JAA	SFP Twin-axial 10G	1
		37-0962-01	SFP Twin-axial 10G	1
		COPQAA6JAA	SFP Twin-axial 10G	3
		37-960-03	SFP Twin-axial 10G	3
	COPQAA5JAA	SFP Twin-axial 10G	5	
	HP®	2074260-2	SFP Twin-axial 10G	1
		AP784A	SFP Twin-axial 10G	3
		AP820A	SFP Twin-axial 10G	5

Table B-1. Tested Cables and Optical Modules (continued)

Speed/Form Factor	Manufacturer	Part Number	Type	Cable Length <sup>a</sup>
10G DAC <sup>b</sup> (continued)	Dell	407-BBBK	SFP Twin-axial 10G	1
		407-BBBI	SFP Twin-axial 10G	1
		AP819A	SFP Twin-axial 10G	3
		407-BBBP	SFP Twin-axial 10G	3
		AP785A	SFP Twin-axial 10G	5
25G DAC	AMPHENOL <sup>®</sup>	NDCCGF0001	SFP28 TO SFP28	1
		NDCCGJ0003	SFP28 TO SFP28	3
		NDCCGF0003	SFP28 TO SFP28	3
		NDCCGJ0005	SFP28 TO SFP28	5
	HP <sup>®</sup>	844471-B21	SFP28 TO SFP28	0.5
		844474-B21	SFP28 TO SFP28	1
		844477-B21	SFP28 TO SFP28	3
		844480-B21	SFP28 TO SFP28	5
	DELL	470-ACEX	SFP28 TO SFP28	1
		470-ACFB	SFP28 TO SFP28	2
		470-ACEU	SFP28 TO SFP28	3
		470-ACEY	SFP28 TO SFP28	5
40G DAC SPLITTER (4 × 10G)	DELL	470-AAVO	QSFP40GB TO 4XSFP10GB	1
		470-AAXG	QSFP40GB TO 4XSFP10GB	3
		470-AAXH	QSFP40GB TO 4XSFP10GB	5
100G DAC SPLITTER (4 × 25G)	DELL	026FN3 REV A00	QSFP100GB TO 4XSFP28GB	1
		0YFNDD REV A00	QSFP100GB TO 4XSFP28GB	2
		07R9N9 REV A00	QSFP100GB TO 4XSFP28GB	3
	FCI	10130795-4050LF	QSFP100GB TO 4XSFP28GB	5
	AMPHENOL	NDAQGJ-0001	QSFP100GB TO 4XSFP28GB	1
		NDAQGF-0002	QSFP100GB TO 4XSFP28GB	2
		NDAQGF-0003	QSFP100GB TO 4XSFP28GB	3
		NDAQGJ-0005	QSFP100GB TO 4XSFP28GB	5
	ARISTA	CAB-Q-4S-100G-3M	QSFP100GB TO 4XSFP28GB	3

## Optical Solutions (continued)

Speed/Form Factor	Manufacturer	Part Number	Type	Cable Length <sup>a</sup>
10G Optical Transceivers	Avago	AFBR-703SMZ	SFP 10G Optical Transceiver SR	N/A
		AFBR-701SDZ	SFP 10G Optical Transceiver LR	N/A
	FINISAR®	FTLX8571D3BCL-QL	SFP 10G OPTICAL TRANSCEIVER SR	N/A
		FTLX1471D3BCL-QL	SFP 10G OPTICAL TRANSCEIVER LR	N/A
25G OPTICAL TRANSCEIVERS	FINISAR®	FTLF8536P4BCL	SFP28 OPTICAL TRANSCEIVER SR	N/A
		FTLF8538P4BCL	SFP28 OPTICAL TRANSCEIVER SR NO FEC	N/A
	MELLANOX®	MMA2P00-AS	SFP28 OPTICAL TRANSCEIVER SR	N/A
	HPE/FINISAR	845398-B21 / FTLF8536P4BCL	SFP28 OPTICAL TRANSCEIVER SR	N/A
10G AOC <sup>c</sup>	DELL	470-ABLV	SFP 10G AOC	2
		470-ABLZ	SFP 10G AOC	3
		470-ABLT	SFP 10G AOC	5
		470-ABML	SFP 10G AOC	7
		470-ABLU	SFP 10G AOC	10
		470-ABMD	SFP 10G AOC	15
		470-ABMJ	SFP 10G AOC	15
25G AOC	ARISTA	AOC-10023-20	SFP28 AOC	3
		AOC-10041-20	SFP28 AOC	30
	CISCO	SFP-25G-AOC3M	SFP28 AOC	3
		SFP-25G-AOC10M	SFP28 AOC	10
	HPE	844483-B21	SFP28 AOC	7
		845396-B21	SFP28 AOC	10
	INNOLIGHT	TF-PY020-N00	SFP28 AOC	20
		TF-PY003-N00	SFP28 AOC	3
	MELLANOX	MFA2P10-A003	SFP28 AOC	3
		MFA2P10-A005	SFP28 AOC	5
MFA2P10-A010		SFP28 AOC	10	
MFA2P10-A015		SFP28 AOC	15	

<sup>a</sup> Cable length is indicated in meters.<sup>b</sup> DAC is direct attach cable.<sup>c</sup> AOC is active optical cable.

## TESTED SWITCHES

Table 2 lists the switches that have been tested for interoperability with the 41000 Series Adapters. This list is based on switches that are available at the time of product release, and is subject to change over time as new switches enter the market or are discontinued.

**Table 2. Switches Tested for Interoperability**

Manufacturer	Ethernet Switch Model
ARISTA	7060X
	7160
CISCO	NEXUS 3132
	NEXUS 3232C
	NEXUS 5548
	NEXUS 5596T
	NEXUS 6000
DELL EMC	S6100
	Z9100
HPE	FLEXFABRIC 5950
MELLANOX	SN2410
	SN2700



**Corporate Headquarters** Cavium, Inc. 2315 N. First Street San Jose, CA 95131 408-943-7100

**International Offices** UK | Ireland | Germany | France | India | Japan | China | Hong Kong | Singapore | Taiwan | Israel

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