

CX 10.8 Update

Optics

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Agenda

- 1 Aruba 100G QSFP28-QSFP28 2m AOC (JL856A): Supported on Aruba CX 8360 and 8325
- 2 HPE BladeSystem c-Class 40G to 4x10G 3m DAC Splitter Cable (721064-B21): Supported on Aruba CX 832x/8360
- 3 Aruba 1m/5m 100G DAC (R0Z25/R0Z26): Supported on Aruba CX 6400/8360/8325/8400
- 4 HPE HIT 3m/5m 10G DACs (537963-B21/487655-B21): Supported on Aruba CX 832x/8360/8400/6300
- 5 HPE HIT Splitter Cable (721064-B21): SFP+ End Supported on select Aruba CX 6300s
- 6 HPE HIT Splitter Cable (845416-B21): SFP28 End Supported on Aruba CX 8325/8360/6300

Transceiver and Cable Updates

Review: Transceivers/DACs/AOCs

What is?	Details	Image
An Optical Transceiver?	– Small, powerful device which can transmit and receive data. – The transceiver is an important part of a fiber optic network because it's used to convert electrical signals to light signals and vice versa.	
A DAC (Direct Attach Cable)?	– Made from twinax copper and factory terminated with modules which provide an electrical connection directly into active equipment. – Modules cannot be removed and so all DACs are a fixed length. – Types of DACs: Direct and Breakout, Passive and Active. – Direct connect DAC will connect 1 port/line card to another. – Breakout DAC will allow 1 port to be connected to up to 4 other ports. – Active DAC will offer slightly longer transmission distance than a passive DAC (uses electronics within the modules at each end to boost the signals)	
An AOC (Active Optical Cable)?	– Uses electrical-to-optical conversion on cable ends to improve speed and distance without sacrificing compatibility with standard electrical interfaces.	

New Aruba CX 100G 2M AOC Support

Product Name (SKU)	Cable Length	Data Rate
Aruba 100G QSFP28 to QSFP28 2m AOC (JL856A)	2 m (6.6 ft)	100 Gbps

Details	
100G AOC Cable: Pre-Terminated with Fiber and SR Transceiver	
Aruba CX 8325-32C Switch	JL626A / JL627A
Aruba CX 8325-48Y8C Switch	JL624A / JL625A
Aruba CX 8360-12C Switch	JL709A / JL708A
Aruba CX 8360-32Y4C Switch	JL700A / JL701A
Aruba CX 8360-16Y2C Switch	JL702A / JL703A
Aruba CX 8360-24X4C Switch	JL710A / JL711A
Aruba CX 8360-48XT4C	JL706A / JL707A



HPE 40G QSFP+ to 4x10G SFP+ 3m DAC Splitter Cable

Product Name (SKU)	Cable Length	Data Rate
HPE BLc 40G QSFP+ 4x10G SFP+ 3m DAC Cable (721064-B21)	3m (9.84ft)	40G to 4x10G

Switch Support (Requires split command)	SKUs	Notes
Aruba CX 8320-48p 10G SFP/SFP+/6p 40G QSFP+ Switch	JL479A	Only the QSFP end is supported Should be upgraded to 10.8 code to properly support this SKU
Aruba CX 8320-32p 40G QSFP+ Switch	JL579A	
Aruba CX 8320-48p 10GBT/6p 40G QSFP+ Switch	JL581A	
Aruba CX 8325-32C Switch	JL626A / JL627A	
Aruba CX 8325-48Y8C Switch	JL624A / JL625A	
Aruba CX 8360-12C Switch	JL709A / JL708A	
Aruba CX 8360-32Y4C Switch	JL700A / JL701A	
Aruba CX 8360-16Y2C Switch	JL702A / JL703A	
Aruba CX 8360-24X4C Switch	JL710A / JL711A	

No Switch Support EVER	SKUs	Notes	Under Investigation (Stay Tuned)
Aruba CX 8360-48XT4C	JL706A / JL707A	Does not support splitting	Aruba CX 6300 testing and validating right now

New Aruba 100G DACs (1m & 5m)

Product Name (SKU)	Cable Length	Data Rate
Aruba 100G QSFP28 to QSFP28 1m Direct Attach Copper Cable (R0Z25A)	1 m (3.28 ft)	100 Gbps
Aruba 100G QSFP28 to QSFP28 5m Direct Attach Copper Cable (R0Z26A)	5 m (16.4 ft)	100 Gbps

Switch Support	SKUs
Aruba CX 8325-32C Switch	JL626A / JL627A
Aruba CX 8325-48Y8C Switch	JL624A / JL625A
Aruba CX 8360-12C Switch	JL709A / JL708A
Aruba CX 8360-32Y4C Switch	JL700A / JL701A
Aruba CX 8360-16Y2C Switch	JL702A / JL703A
Aruba CX 8360-24X4C Switch	JL710A / JL711A
Aruba CX 8360-48T4C Switch	JL706A / JL707A
Aruba CX 8400 Module: 6p 40G/100G QSFP28 Advanced Module	JL366A
Aruba CX 6400 12p 40G/100G QSFP28 Module	R0X45A



HIT 3m/5m 10G DACs

Product Name (SKU)	Cable Length	Data Rate
HPE BLc 10G SFP+ SFP+ 3m DAC Cable (487655-B21)	3m (9.84 ft)	10 Gbps
HPE BLc 10G SFP+ SFP+ 5m DAC Cable (537963-B21)	5m (16.40 ft)	

Switch Support	SKUs
Aruba CX 8320-48p 10G SFP/SFP+/6p 40G QSFP+ Switch	JL479A
Aruba CX 8325-48Y8C Switch	JL624A / JL625A
Aruba CX 8360-12C Switch	JL709A / JL708A
Aruba CX 8360-32Y4C Switch	JL700A / JL701A
Aruba CX 8360-16Y2C Switch	JL702A / JL703A
Aruba CX 8360-24X4C Switch	JL710A / JL711A
Aruba CX 8400X 32p 10G SFP/SFP+ MACsec Advanced Module	JL363A
Aruba CX 8400X-32Y 32p 1/10/25G Module	JL687A
Aruba CX 6300M 24SFP+ 4SFP56 Switch	JL658A
Aruba CX 6300M 48G 4SFP56 Switch	JL663A
Aruba CX 6300M 48G Pwr2Prt 2F 1PS Bundle	JL762A



HIT Split cable SFP+ End - Aruba CX 6300 Pwr2Prt

Product Name (SKU)	Cable Length	Data Rate
HPE BLc 40G QSFP+ 4x10G SFP+ 3m DAC Cable (721064-B21)	3m (9.84ft)	40G to 4x10G

Switch Support	SKUs	Notes
Aruba CX 6300M 24SFP+ 4SFP56 Switch	JL658A	Only SFP+ end supported
Aruba CX 6300M 48G 4SFP56 Switch	JL663A	Only SFP+ end supported
Aruba CX 6300M 48G Pwr2Prt 2F 1PS Bundle	JL762A	Only SFP+ end supported



Support SFP28 end of Split Cable from Synergy Servers

Product Name (SKU)	Cable Length	Data Rate
HPE 100Gb QSFP28 to 4x25Gb SFP28 3m Splitter DAC (845416-B21)	3m (9.84ft)	100G to 4x25G

Switch Support	SKUs	Notes
Aruba CX 6300M 24SFP+ 4SFP56 Switch	JL658A	Only SFP end supported
Aruba CX 6300M 48G 4SFP56 Switch	JL663A	
Aruba CX 6300M 48G Pwr2Prt 2F 1PS Bdl	JL762A	
Aruba CX 8325-32C Switch	JL626A / JL627A	
Aruba CX 8325-48Y8C Switch	JL624A / JL625A	
Aruba CX 8360-12C Switch	JL709A / JL708A	
Aruba CX 8360-32Y4C Switch	JL700A / JL701A	
Aruba CX 8360-16Y2C Switch	JL702A / JL703A	
Aruba CX 8360-24X4C Switch	JL710A / JL711A	



Thank you