Hewlett Packard Enterprise

HPE aruba networking

Storage Transceivers for HPE Aruba Networking CX 8325 - 10.13

Steven Baker – Technical Marketing Engineer

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Agenda

1	Overview
2	Refresher - Added 10.12
3	New – Added 10.13

Overview

What is an AOC/DAC/Transceiver?

- A transceiver is a combination transmitter/receiver in a single package. While the term often applies to wireless communications devices, it also is used for transmitter/receiver devices in cable or optical fiber systems.

- Direct Attached Cables, or DACs, are copper cable assemblies made from twinax cable, terminated with transceiver housings on each end. DACs are available in passive or for active variants. Passive DACs are typically 7m in length or shorter and use less than 0.15W of power.

- Active Optical Cables, or AOCs, are fiber optic cable assemblies, terminated with transceiver housings on each end. AOCs are available in 1 meter to 100 meter lengths, and typically use about 1W of power. Inside the AOC cable assembly are multiple multi-mode fibers that allow transmit and receive functionality

Data Rate

Data rate is the number of bits transmitted per second. The unit of measure for data rate is Megabits per second (Mbps) or Gigabits per second (Gbps). Transceiver modules, optical, Direct Attach over Copper (DAC), and Active Optical Cables (AOC) products provide the following levels of data rates:

- 400 Gbps (Optical, AOC)
- 200 Gbps (AOC)
- 100 Gbps (Optical, DAC, and AOC)
- 50 Gbps (DAC and SR)
- 40 Gbps (Optical, DAC, and AOC)
- 25 Gbps (Optical, DAC, and AOC)
- 10 Gbps (Optical, DAC, and RJ45 10GBASE-T)
- 1000 Mbps (Gigabit) (optical and RJ45 1GbT)
- 100 Mbps (Fast Ethernet) (optical only)

Refresher - Added 10.12

Added – 10.12

- Adding support for HPE Storage Transceivers to HPE Aruba Networking CX 8325
- Note:
  - HPE Aruba Networking CX 8325 does NOT support HPE Storage Transceivers using QSA28 adapter (845970-B21).

SKU	Base Product Description	SPOCK Certified
Q6M30A	HPE M-series 10GbE SFP+ SR 300m XCVR	Y
R4G19A	HPE M-series 25Gb SFP28/SFP28 1m DAC	Y
Q7F11A	HPE M-series 40GbE QSFP28 SR4 100m XCVR	Y
Q2F19A	HPE M-series 100GbE QSFP28 SR4 100m XCVR	Y
K2Q21A	HPE C-series 3M Passive Copper SFP+ Cbl	Y
K2Q22A	HPE C-series 5M Passive Copper SFP+ Cbl	Y
R0R42A	HPE 25Gb SFP28 SR 30m XCVR	Y
Q9S67A	HPE 25GbE SFP28 to SFP28 3m Smart AOC	Y
Q9S68A	HPE 25GbE SFP28 to SFP28 5m Smart AOC	Y
Q9S69A	HPE 25GbE SFP28 to SFP28 10m Smart AOC	Y

New – Added 10.13

Introduced in 10.13

- Adding support for HPE Storage Transceivers to HPE Aruba Networking CX 8325 Switch Series
- Note: HPE Aruba Networking CX 8325 does NOT support HPE Storage Transceivers using QSA28 adapter (845970-B21).

SKU	Base Product Description	SPOCK Certified
Q2P64B	HPE 25GbE SFP28 SW Ext Temp 1-pack Pull Tab Transceiver (0° to 85°)	Y
Q2P65A	HPE 10GbE SFP+ SW Ext Temp 1-pack Pull Tab Transceiver (0° to 85°)	Y
Q2P64A	HPE 25GbE SFP28 Software 1-Pack Pull Tab Transceiver	Y
Q9S70A	HPE 25GbE SFP28 to SFP28 15m Smart AOC	Y
Q9S66A	HPE 40GbE QSFP+ to 4x10GbE SFP+ 5m AOC	Y
Q9S71A	HPE 100GbE QSFP28 to QSFP28 5m AOC	Y
JD095C	HPE X240 10GbE SFP+ to SFP+ .65m DAC Cable	Y
Q9S72A	HPE 100GbE QSFP28 to 4x25GbE 1m DAC	Y
R0R40A	HPE 100GbE QSFP28 LC SWDM MM 100m Transceiver	Y
R4G18A	HPE M-Series 25GbE SFP28 to SFP28 .5m DAC	Y
Q8J73A	HPE M-Series 100GbE QSFP28 PSM4 500m Transceiver	Y
455883-B21	HPE BLc 10GbE SFP+ SR Transceiver	Y

https://h20272.www2.hpe.com/spock/

Thank you

aruba_switching_tme@hpe.com

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