



Features

The following are the key features of the ZeroFlap CLOS AEC:

- Recognizable, purple PET Mesh jacket
- 400G to 400G data rate
- CMIS v5.0 compliant
- Single 3.3V power supply
- QSFP112 connector
- Low power consumption:
 - Typ 5W power dissipation
- BER<10⁻¹⁵ (postFEC)
- Hot pluggable
- RoHS2 compliant
- I²C management interface
- Operating case temperature range: 0° to +70°C

Length

Pull Strap (white)

8P32AWG
PET braid Raw Cable For 8P 32AWG(Purple Pantone 2612C)

Flag Label

E1

E2

150x10

SD (Black)

1.5mm

· QSFP112 MSA v5.0

Key Features

Parameter	Value
Module Form Factor	QSFP112
Number of Data Lanes	4 TX and 4 RX per module (PAM4)
Maximum Aggregate Data Rate	400Gbps
Nominal Data Rate per Lane	112Gbps (PAM4)
Electrical Interface and Pin-out	38 -pin edge connector
Pin Description	Per QSFP112 Hardware Specification
Management Interface	I ² C, serial, timing per Common Management Interface Specification for 8X Pluggable Transceivers
Length of Copper AEC	1.0m – 3.0m
BER (Pre-FEC)*	Typ. $<10^{-8}$ * Tested with QPRBS31 pattern
BER (Post-FEC)*	$<10^{-15}$ * Tested with QPRBS31 pattern

Product Selections

Part Number	Length	Tolerance	CMIS	Weight
CAC41X321N1N-C1-HW	1.0m	± 50 mm	CMIS 5.0	350g
CAC415321N1N-C1-HW	1.5m	± 50 mm	CMIS 5.0	375g
CAC42X321N1N-C1-HW	2.0m	± 50 mm	CMIS 5.0	400g
CAC425321N1N-C1-HW	2.5m	± 50 mm	CMIS 5.0	425g
CAC43X321N1N-C1-HW	3.0m	± 50 mm	CMIS 5.0	450g

About Credo

Credo's mission is to advance high-speed connectivity solutions that deliver optimized performance, reliability, energy efficiency, and security for the next generation of AI driven applications, cloud computing, and hyperscale networks. Optimized for both optical and electrical applications, our solutions support port speeds up to 1.6Tb. At the core of our technology is our proprietary Serializer/Deserializer (SerDes) IP. Our diverse solutions portfolio includes system-level products such as Active Electrical Cables (AECs), a range of Integrated Circuits, including Retimers, Optical DSPs, SerDes chipsets, and SerDes IP Licensing.

For more information please visit www.credosemi.com
or email sales@credosemi.com