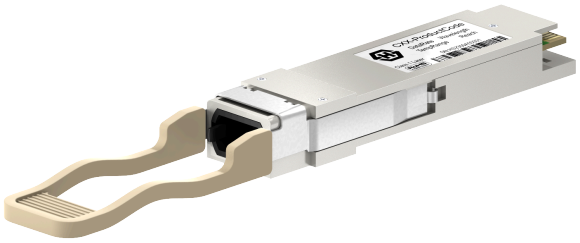
DATA SHEET

Transceivers
100G QSFP28 SR4
CQM-900A04

Properties

- Protocol 100G Ethernet
- Data rate 103.125 Gbps
- Reach up to 100m
- Wavelength 850nm
- MPO/MTP-8/12 connector
- Multimode fiber
- Temp. range 0 ... 70°C
- Link budget at least 3.9 dB
- Power consumption < 3.5 W



General data	
Form factor	QSFP28
Product image	Actual product may differ from the images shown. Colours, design, and details can vary.
Protocol	100G Ethernet
Data rate standards	100GBASE-SR4
Media type	Multimode
Connector	MTP/MPO-8/12
Modulation Format	NRZ
Built-in FEC	No
CDR	Double
Operation temperature	0 °C ... 70 °C
Supply voltage typical	3.13 V ... 3.47 V
Supply Current	< 1050 mA
Power consumption	< 3.5 W
Digital Diagnostic Management (DDM)	Yes
Laser hazard level	1M

Absolute Maximum Ratings	
Max. supply voltage range	-0.3 V ... 4 V
Max. Storage Temperature Range	-40 °C ... 85 °C
Max. relative humidity range	5 % ... 95 %

Transmitter Specifications	
Laser Type	VCSEL
Operating Wavelength Range	840 nm ... 860nm
Grid	None

Transceivers

100G QSFP28 SR4

CQM-900A04

Transmitter Specifications	
Average launch power per lane	-8.4 dBm ... 2.4 dBm
Outer Optical Modulation Amplitude (OMA)	-6.4 dBm ... 3 dBm
Extinction Ratio	> 2 dB
Side Mode Suppression	> 30 dB
Supported Data rate	103.125 Gbps

Receiver Specifications	
Receiver Type	PIN
Operating Wavelength Range	840 nm ... 860nm
Receiver Overload	> 2.4 dBm
Receiver Sensitivity (OMA)	< -10.3 dBm
Bit Error Rate at Receiver	5E-5
Supported Data rate	103.125 Gbps

Ordering Information Table		
Order Code	Compatibility code explanation	Wavelength code explanation
CQM-900A04xxxx-85	“xxxx” is an alphanumerical string, describing the compatibility. “0000” means no special coding to ensure compatibility with a special switch type.	-85: 850nm

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
DOCUMENT PIM-P28407 / Date of publication: 24.03.2026 / uncontrolled copy