

# Arista QSFP-40G-SRBD Datasheet



Arista QSFP-40G-SRBD 40GBASE-SR BD QSFP+ 850nm 150m LC DOM Transceiver Module XVR-10066-20

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The Arista QSFP-40G-SRBD is designed for use in 40 Gigabit Ethernet (40GE) applications over duplex multimode fiber. It is a high-performance 40GBASE-SR-BiDi QSFP+ optical Transceiver for 40G short-range duplex data communication and interconnects applications. This 40G transceiver operates on the wavelength of 832nm to 918nm via an LC connector and supports link lengths of 100m on OM3 multimode fiber or 150m on OM4 multimode fiber.

## Features

- Compliant to the 40GbE XLPP1 electrical specification per IEEE 802.3ba-2010
- Compliant to QSFP+ SFF-8436 Specification
- Aggregate bandwidth of 40Gbps
- Operates at 10.3125 Gbps per electrical channel with 64b/66b encoded data
- QSFP MSA compliant
- Utilizes a standard LC duplex fiber cable allowing reuse of existing cable infrastructure
- Maximum link length of 100m on OM3 Multimode Fiber (MMF) and 150m on OM4 MMF
- Single +3.3V power supply
- Real-Time Digital Diagnostic Monitoring
- Operating temperature range:0~70°C
- RoHS compliant and lead-free

## Specifications

- Part Numbers: QSFP-40G-SRBD, XVR-10066-20
- Form Factor: QSFP+
- Data Rate: 40 Gb/s
- Wavelength: 832nm – 918nm
- Fiber Type: MMF
- Max Distance: 150m@OM4 or 100m@OM3
- Optical Components: VCSEL/PIN
- Transmitter Power: -4.0 ~ +5.0dBm
- Extinction ratio: 3.5dB
- Receiver Sensitivity: <-11.0dBm
- Receiver Overload: 0.5dBm
- Connector: LC duplex
- Digital Diagnostic Monitoring: Yes
- Environment:
  - Operating: 0°C to 70°C
  - Storage: -40°C to 85°C
- Weight: 0.09 kg
- Application:
  - Low EMI radiation Switches, servers and routers
  - Telecommunication and wireless infrastructure
  - Test and measurement equipment
  - Networked storage systems
  - Data Center networks
  - Storage area networks
- Compliance:
  - IEC/EN 61000-4-2,IEC-60825
  - FDA 21CFR 1040.10 and 1040.11
  - RoHS,SFF-8436,IEEE802.3ba

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