HUAWEI eKit

Huawei SFP-10G-SR-eKit Optical Module Datasheet

10GBASE-SR SFP+ Multimode Optical Module | 850 nm | LC | DDM

10 Gigabit Ethernet short-reach optical transceiver

Product Overview

The SFP-10G-SR-eKit (part number 02315HNN) is a 10 Gigabit Ethernet optical module in the SFP+ form factor. It complies with the 10GBASE-SR standard, operates at a center wavelength of 850 nm over multimode fiber, and uses an LC connector. The module supports digital diagnostic monitoring (DDM) and has a working case temperature range of 0°C to 70°C.

Product Highlights

- Standard-compliant 10GBASE-SR, 10 Gbit/s transmission rate
- 850 nm center wavelength, multimode fiber (MMF), LC connector
- Transmission distance up to 300 m on OM3 and 400 m on OM4 multimode fiber
- Digital diagnostic monitoring (DDM) supported
- Working case temperature range: 0°C to 70°C (32°F to 158°F)
- Hot-swappable SFP+ form factor

Usage Notes

- Optical modules must be certified for use on Huawei S switches. Non-certified modules cannot ensure transmission reliability and may affect service stability.
- Two interconnected optical modules must use the same standard (here 10GBASE-SR) and multimode fiber of a supported type; the transmit optical power of one end must be within the receive range of the other end.

Source: Huawei S200, S300, S500, and S600 Series Switches Hardware Description, Issue 06 (2026-03-30), section 9.10.28 SFP-10G-SR-eKit, Table 9-83. The information in this document is subject to change without notice. Huawei and other Huawei trademarks are trademarks of Huawei Technologies Co., Ltd.

Product Specifications

Basic Information

Item	Value
Module name	SFP-10G-SR-eKit
Part Number	02315HNN
Model	SFP-10G-SR-eKit
Form factor	SFP+
Application standard	10GBASE-SR
Connector type	LC
Optical fiber type	MMF
Working case temperature [°C(°F)]	0°C to 70°C (32°F to 158°F)
Digital diagnostic monitoring (DDM)	Supported
Transmission rate [bit/s]	10 Gbit/s
Target transmission distance [km]	Multimode fiber (with modal bandwidth of 160 MHz*km and diameter of 62.5 um): 0.026 km Multimode fiber (OM1): 0.033 km Multimode fiber (with modal bandwidth of 400 MHz*km and diameter of 50 um): 0.066 km Multimode fiber (OM2): 0.082 km Multimode fiber (OM3): 0.3 km Multimode fiber (OM4): 0.4 km

Transmitter Optical Characteristics

Item	Value
Center wavelength [nm]	850 nm
Maximum Tx optical power [dBm]	-1.0 dBm
Minimum Tx optical power [dBm]	-7.3 dBm
Minimum extinction ratio [dB]	3.0 dB

Receiver Optical Characteristics

Item	Value
Rx sensitivity [dBm]	-11.1 dBm
Overload power [dBm]	-1.0 dBm