HUAWEI eKit

Huawei SFP-1000BaseT Module Datasheet

1000BASE-T SFP Copper Module | RJ45 | 10/100/1000 Mbit/s

Gigabit Ethernet electrical (copper) SFP transceiver

Product Overview

The SFP-1000BaseT (part numbers 02314171 and 02313URG) is a Gigabit Ethernet electrical module in the SFP form factor. It complies with the 1000BASE-T standard and uses an RJ45 connector, allowing an SFP slot to be connected to a twisted-pair Ethernet cable. It supports transmission rates of 10 Mbit/s, 100 Mbit/s and 1 Gbit/s, over a distance of up to 100 m.

Product Highlights

- Standard-compliant 1000BASE-T, RJ45 connector
- Transmission rates of 10 Mbit/s, 100 Mbit/s and 1 Gbit/s
- Transmission distance up to 100 m on Ethernet cable
- Electrical module, no optical parameters
- Hot-swappable SFP form factor

Usage Notes

- Modules must be certified for use on Huawei S switches. Non-certified modules cannot ensure transmission reliability and may affect service stability.
- The supported rate depends on the port.
- The module does not support 10 Mbit/s on a 10GE optical port, a 2.5GE optical port, or a GE optical port of a switch running V600, and does not support 10 Mbit/s or 100 Mbit/s on a 25GE optical port of a switch running V600.

Source: Huawei S200, S300, S500, and S600 Series Switches Hardware Description, Issue 06 (2026-03-30), sections 9.8.1 and 9.8.2 SFP-1000BaseT, Tables 9-47 and 9-48. 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-1000BaseT
Part Number	02314171 / 02313URG
Model	SFP-1000BaseT
Form factor	SFP
Application standard	1000BASE-T
Connector type	RJ45
Digital diagnostic monitoring (DDM)	Not supported
Transmission rate [bit/s]	10 Mbit/s 100 Mbit/s 1 Gbit/s
Target transmission distance [km]	Ethernet cable: 0.1 km