

# Huawei SFP-10G-LR Datasheet



## Overview

Huawei SFP-10G-LR Compatible 10G SFP+ Module - Single-mode 1310nm Wavelength for up to 10km with Standard Compatibility. This high-quality Huawei SFP-10G-LR Compatible 10GBASE-LR SFP+ 1310nm 10km DOM Transceiver. A cost-effective solution that provides high bandwidth and transmission rates over short distances.

### Quick Specs

Table 1 shows the Quick Specs.

|                         |            |
|-------------------------|------------|
| Product Code            | SFP-10G-LR |
| Transceiver form factor | SFP+       |
| Transmission speed      | 10GE       |
| Center wavelength (nm)  | 1310       |
| Standards compliance    | 10GBASE-LR |

### Product Details

Huawei SFP-10G-LR provides these features:

- Type: SFP+
- Compatibility: Huawei compatible
- Tx/Rx Wavelength: 1310 nm. / 1310 nm.
- Media Type: Single-Mode Fiber (SMF)
- Optical Budget: 6 dB
- Max. Distance: 10 km
- Data Rate: 1.25-10.31 Gbps
- Temperature: Standard 0°-70°C

## Specification

| HUAWEI SFP-10G-LR Specification |                                             |
|---------------------------------|---------------------------------------------|
| Item                            | Description                                 |
| Version support                 | Supported in V100R001C00 and later versions |
| Transceiver form factor         | SFP+                                        |
| Transmission speed              | 10GE                                        |
| Center wavelength (nm)          | 1310                                        |
| Standards compliance            | 10GBASE-LR                                  |
| Connector type                  | LC                                          |

|                                                    |                                                          |
|----------------------------------------------------|----------------------------------------------------------|
| Type of the end face of the fiber ceramic ferrule  | PC or UPC                                                |
| Applicable cable and maximum transmission distance | Single-mode fiber (G.652) (with diameter of 9 μm): 10 km |
| Modal bandwidth                                    | -                                                        |
| Transmit power (dBm)                               | -8.2 to +0.5                                             |
| Maximum receiver sensitivity (dBm)                 | -12.6                                                    |
| Overload power (dBm)                               | 0.5                                                      |
| Extinction ratio (dB)                              | ≥ 3.5                                                    |
| Operating temperature                              | 0°C to 70°C                                              |

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