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Overview

10GBase, BIDI Optical Transceiver, SFP+, 10G, Single-mode Module (TX1270nm/RX1330nm, 10km, LC)

Quick Specification

Table 1 shows the Quick Specs.

| | |
|-----------------------------------|---|
| Model | SFP-10G-BXU1 |
| Part Number | 02310QBJ |
| Description | 10GBase, BIDI Optical Transceiver, SFP+, 10G, Single-mode Module (TX1270nm/RX1330nm, 10km, LC) |
| Level-1 category | 10GE SFP+ Optical Modules, Industrial Optical Modules |
| Form factor | SFP+ |
| Application standard | 10GBASE-BX |
| Connector type | LC |
| Optical fiber type | SMF |
| Working case temperature [°C(°F)] | -40°C to +85°C (-40°F to +185°F) |
| Transmission rate [bit/s] | 10 Gbit/s |
| Target transmission distance [km] | Single-mode fiber: 10 km |
| Center wavelength [nm] | 1330 nm (RX) 1270 nm (TX) |
| Maximum Tx optical power [dBm] | 0.5 |
| Minimum Tx optical power [dBm] | -8.2 |
| Minimum extinction ratio [dB] | 3.5 |
| Rx sensitivity [dBm] | -14.4 |
| Overload power [dBm] | 0.5 |
| Note | Supports the single-fiber bidirectional function. Single-fiber bidirectional (BIDI) optical modules must be used in pairs. For example, SFP-10G-BXU1 must be used with SFP-10G-BXD1. |

Figure 1 shows the appearance.



Product Details

The Supported Switches

Table 2 shows the Huawei hot switches which support SFP-10G-BXU1.

| Model | Description |
|-------------------------------------|--|
| S5700-28P-LI-AC | 24 x Ethernet 10/100/1000 ports, 4 Gig SFP, AC 110/220V |
| S5700-28TP-LI-AC | 24 x Ethernet 10/100/1000ports,2 Gig SFP and 2 dual-purpose 10/100/1000 or SFP, AC 110/220V |
| S5700S-52P-LI-AC | 48 x Ethernet 10/100/1000 ports, 4 Gig SFP, AC 110/220V |
| S5700-28P-PWR-LI-AC | 24 x Ethernet 10/100/1000 PoE+ ports, 4 Gig SFP, AC 110/220V |
| S5700-10P-PWR-LI-AC | 8 x Ethernet 10/100/1000 PoE+ ports, 2 Gig SFP, AC 110/220V |
| S5720-36C-EI-AC | 28 x Ethernet 10/100/1000 ports,4 of which are dual-purpose 10/100/1000 or SFP,4 10 Gig SFP+, 1 interface slot, with 150W AC |
| S5700-28C-EI-AC | 24 x Ethernet 10/100/1000 ports, with 1 interface slot, with 150W AC power supply |
| S5720-56C-HI-AC | 48 x Ethernet 10/100/1000 ports, 4 10 Gig SFP+, with 2 interface slots, with 600W AC power supply |
| S5720-56PC-EI-AC | 48 x Ethernet 10/100/1000 ports,4 Gig SFP, with 1 interface slot, with 150W AC power supply |
| S5720-56C-PWR-HI-AC | 48 x Ethernet 10/100/1000 POE+ ports,4 10 Gig SFP+, with 2 interface slots, with 1150W AC power supply |

Compare to Similar Items

Table 3 shows the comparison of SFP-10G-USR and SFP-10G-BXU1.

| Model | SFP-10G-USR | SFP-10G-BXU1 |
|-------------------------|-----------------------------|--------------|
| Transceiver form factor | SFP+ | SFP+ |
| Transmission speed | 10 Gbit/s | 10 Gbit/s |

| | | |
|--|-------------------------------|----------------------------------|
| Center wavelength (nm) | 850 | 1330 |
| Standard compliance | 10Gbase-USR | 10GBASE-BX |
| Connector type | LC | LC |
| Applicable cable and maximum transmission distance | Multimode fiber (OM3): 0.1 km | Single-mode fiber: 10 km |
| Transmit power (dBm) | -7.3 to -1.0 | -8.2 to +0.5 |
| Maximum receiver sensitivity (dBm) | -10.7 | -14.4 |
| Overload power (dBm) | 0.5 | 0.5 |
| Extinction ratio (dB) | 3.0 | 3.5 |
| Operating temperature | 0°C to 70°C (32°F to 158°F) | -40°C to +85°C (-40°F to +185°F) |

Get More Information

Do you have any question about the SFP-10G-BXU1 (02310QBJ)?

Contact us now via info@hi-network.com.

Specification

| SFP-10G-BXU1 Specification | |
|-----------------------------------|--|
| Basic Information | |
| Model | SFP-10G-BXU1 |
| Part Number | 02310QBJ |
| Description | 10GBase, BIDI Optical Transceiver, SFP+, 10G, Single-mode Module (TX1270nm/RX1330nm, 10km, LC) |
| Level-1 category | 10GE SFP+ Optical Modules, Industrial Optical Modules |
| Technical Specifications | |
| Connector type | LC |
| Optical fiber type | SMF |
| Form factor | SFP+ |
| Transmission rate [bit/s] | 10 Gbit/s |
| Target transmission distance [km] | Single-mode fiber: 10 km |
| Application standard | 10GBASE-BX |
| Working case temperature [°C(°F)] | -40°C to +85°C (-40°F to +185°F) |
| Center wavelength [nm] | 1330 nm (RX) 1270 nm (TX) |
| Maximum Tx optical power [dBm] | 0.5 |

| | |
|--------------------------------|-------|
| Minimum Tx optical power [dBm] | -8.2 |
| Overload power [dBm] | 0.5 |
| Minimum extinction ratio [dB] | 3.5 |
| Rx sensitivity [dBm] | -14.4 |

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HangZhou Office Tel: +0086-571-86729517

Email: info@hi-network.com

Skype: echo.hinetwork

WhatsApp Business: +8618057156223