



# 400GFR4 High-Speed Module Products

Optical

400G optical modules are high-speed transceivers using PAM4 modulation and multi-lane architectures to enable ultra-high bandwidth connectivity. They are essential for AI clusters, ...

JTOPTICS#174; 400Gb/s FR4 transceiver module is designed for high speed, long range 400 Gigabit Ethernet applications of up to 400 gigabits per second. The JT QSFP 400G FR4 is offered with ...

JTOPTICS#174; 400Gb/s FR4 transceiver module is designed for high speed, long ...

400G QSFP-DD optical transceiver modules supporting DR4, FR4 and LR4 for hyperscale data centers and high-speed networks.

The OSFP-400G-FR4 supports longer reaches, typically up to 2 km, by using four lanes of 100G PAM4 over SMF. It is a cost-effective choice for mid-range interconnects between buildings or ...

Converting 8x50G PAM4 electrical signals to 400Gbps optical output, it features a duplex LC interface and 76-pin connector. Compliant with ITU-T G.694.2 and requiring host FEC, this module is ideal for ...

The FS 400G QSFP-DD FR4 modules are tested on FS original devices to ensure the perfect blend of product performance and reliability. Including hardware compatibility (plugging, unplugging, ...

Our 400G optical transceivers are 100% compatible with leading OEM brands such as Cisco, Juniper, Arista, Huawei, Nokia, Dell, and more. This means you get the same performance ...

For operations beyond the recommended operating conditions, optical and electrical characteristics are not defined, reliability is not implied, and such operations for a long time may damage the module.

To support 200G backward compatibility requirement, the mapping of high-speed electrical input/output lanes from QSFP-DD connector to optical wavelengths of the 400G-FR4 module is defined as in ...

The module converts 8 channels of 50Gb/s (PAM4) electrical input data to 4 channels of CWDM optical signals, and multiplexes them into a single channel for 400Gb/s optical transmission.



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