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Nec optical receiver



Overview

This device can send and receive data at 25Gb/s over one fiber for up to 80 kilometers. This product answers the growing need for. Through our advanced, high-performance, and highly reliable optical device technologies and products, we are shaping and supporting the networks of the future. NEC has been developing and manufacturing optical transceivers for more than 30 years since the dawn of the optical communications era. They introduced the '25G SFP28 80km BiDi. The new module enables high-speed bi-directional transmission over a single fiber, reducing deployment costs and simplifying installation. TOKYO, Japan, September 26, 2025 - (JCN Newswire) - NEC Corporation (NEC; TSE: 6701) has expanded its lineup of optical transceivers for 25Gb/s transmission with the commencement of sales for the "25G SFP28 80km BiDi" capable of 80km transmission.

Article Content

NEC adds to optical transceivers for 25Gb/s transmission

By combining a high-output laser with a high-sensitivity receiver, NEC has achieved a link budget (Note 1) of 30dB, enabling transmission over distances of up to 80km.

NEC Introduces 25Gb/s SFP28 Optical Transceiver

Scheduled for shipment at the end of November 2025, the transceiver cuts down on fiber needs. It lowers deployment costs and makes installation easier. This product answers the growing

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NEC targets data center interconnect market with 25 Gb/s optical ...

NEC launched a 25 Gb/s SFP28 bidirectional optical transceiver capable of 50-mile (80km) transmissions. The 25G SFP28 BiDi transceiver aims to address growing demand for high

NEC Introduces 25Gb/s BiDi Optical Transceiver with 80km Reach

By combining a high-output laser with a high-sensitivity receiver, the transceiver achieves a 30dB link budget, supporting deployment in networks with high fiber loss or dark fiber.

NEC Launches 25Gb/s SFP28 Bi-directional Optical Transceiver

By combining a high-output laser with a high-sensitivity receiver, NEC has achieved a link budget (*1) of 30dB, enabling transmission over distances of up to 80km.

NEC Launches 25Gb/s SFP28 Bi-Directional Optical Transceiver

NEC Corporation has expanded its lineup of optical transceivers for 25Gb/s transmission with the commencement of sales for the "25G SFP28 80km BiDi" capable of 80km transmission.

NEC begins sale of 100G QSFP28 ZR4 single-fiber bi-directional

Going forward, NEC will continue to provide optical transceivers incorporating advanced technologies such as its single-fiber bi-directional technology for both domestic and international

NEC provides 25G tunable SFP extended reach optical transceiver

NEC Corporation (NEC; TSE: 6701) has started international sales of a 25G tunable SFP extended reach optical transceiver equipped with a tunable laser that improves transmission distance from the

Optical Transceiver Module : Products & Solutions | NEC

NEC has been developing and manufacturing optical transceivers for more than 30 years since the dawn of the optical communications era. Based on this extensive experience, we provide high-reliability

NEC provides 25G tunable SFP extended reach optical transceiver

NEC has developed a new optical modulator that reduces the effects of wavelength dispersion using silicon photonics technology. In addition, by incorporating an EDC that electrically

Optical Access: NEC Technical Journal | NEC

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At NEC, we provide a wide range of means of access from metallic access to optical access in order to support the construction of economical and flexible access

Optical Device Technology Supporting NEC Open

3. Digital Coherent Optical Transceivers Section 3 introduces NEC''s efforts to develop high-capacity digital coherent optical transceivers, the trends toward

Optical Inter-satellite Communication Technology for High-Speed,

Abstract NEC Corporation is building a network based on optical inter-satellite communication technology to achieve in-ter-satellite data communications with a higher speed and larger capacity

NEC Introduces 25Gb/s SFP28 Optical Transceiver

NEC Corporation has added to its optical transceiver range. They introduced the ''25G SFP28 80km BiDi.'' This device can send and receive data at 25Gb/s over one fiber for up to 80

NEC begins sale of 100G QSFP28 ZR4 single-fiber bi-directional optical ...

This optical transceiver achieves high-capacity communication over distances of up to 80 km using a direct detection method rather than a coherent method. It can also achieve bi-directional

optical transceiver Archives | NEC Labs America

Read our posts about an Optical Transceiver, which combines the functionalities of both a transmitter and a receiver in fiber-optic communication systems.

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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