



OLT uplink optical module receiver sensitivity

The 60km Class C+ module has a higher transmit power and better receiver sensitivity than the 40km Class B+ version. This provides a larger optical budget, allowing for either longer distances or slightly ...

Note 2: Input optical power level difference of adjacent burst packets. Note 3: Receiver optical power ranged from -8dBm to -28dBm, measured with 1310nm, 1.244Gbps PRBS27- 1 burst-mode optical ...

PON Link Topology A PON optical budget is consumed by splitter insertion loss, fiber attenuation, connector pairs, fusion splices and additional passive components between the OLT and ONU/ONT. ...

The Cisco GPON SFPs are supported by the ME 4600 Series OLT devices. For more details, refer to the document "Cisco Gigabit Ethernet Compatibility Matrix" and ME 4600 Series datasheet.

The transmitter optical power ranges from +3 to +7 dBm, while receiver sensitivity reaches -30 dBm, supporting distances up to 20 kilometers over standard single-mode fiber infrastructure.

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Functional Characteristics (Optical) The following tables list the performance specifications for the various functional blocks of the integrated optical transceiver module.

Designed for GPON fiber access networks, this SFP-based transceiver offers high optical power, superior receiver sensitivity, and supports transmission distances of up to 40km.

The GPON Stick OLT is not just a transceiver but a fully integrated OLT MAC processor, supporting three communication channels: PLOAM, OMCI, and SDU. On the uplink side, it operates ...

When "low," this output indicates the received optical power is below the worst-case receiver sensitivity (as defined by the standard in use). "High" indicates normal operation.

Features & Benefits Supports ITU-T G.984.2 GPON OLT C++ application Single fiber bi-directional data links with symmetric 2.488Gbps Tx and 1.244Gbps Rx 1490nm continuous-mode transmitter with ...

The GPON OLT SFP transceiver provides an asymmetric 1.244Gbps upstream and 2.488Gbps downstream,



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reaching a link up to 20km over SMF via SC/UPC connector. It can operate at ...

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