

SFP-XGSOLT-N2-I

SFP+ XGSPON OLT 1577T/1270R 20km N2 | 9.95T/9.95R/2.5R SC/UPC, I-Temp

1. Product overview

XGS-PON OLT Transceiver - SFP+ (N2, I-Temp)
The GLOBALfiber XGS-PON OLT Transceiver (N2 class) is a carrier-grade SFP+ optical module designed for 20 km XGS-PON access networks requiring higher optical margins than standard N1 deployments. It is intended for pure XGS-PON architectures, without GPON coexistence, and is well suited for higher split ratios or networks with increased distribution loss.
With increased transmit power, enhanced receiver sensitivity, and industrial temperature operation, the N2 variant provides a robust and predictable foundation for demanding access environments.

2. Key features

XGS-PON OLT transceiver (XGS-PON only)
N2 optical class optimized for higher margins
SFP+ form factor for broad OLT compatibility
Industrial temperature operation (I-Temp)
SC/UPC optical interface
Designed for carrier-grade FTTH and FTTB networks

3. Applications

XGS-PON access networks with higher split ratios
FTTH / FTTB deployments requiring additional optical margin
Central offices and aggregation nodes
Greenfield XGS-PON networks without GPON coexistence
Teknisk info

4. Technical data

Technical specifications	Continued (read down each column)
Transceiver Type: XGS-PON OLT Transceiver	Maximum Reach: 20 km
Form Factor: SFP+	Optical Interface: SC/UPC
GLOBALfiber Part Number: SFP-XGSOLT-N2-I	Operating Temperature: Industrial (I-Temp)
Description: XGS-PON OLT N2, Industrial Temperature	

5. Recommended operating conditions

With increased transmit power, enhanced receiver sensitivity, and industrial temperature operation, the N2 variant provides a robust and predictable foundation for demanding access environments.
Industrial temperature operation (I-Temp)
Description: XGS-PON OLT N2, Industrial Temperature
Operating Temperature: Industrial (I-Temp)

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6. Optical characteristics

Optical specifications	Continued (read down each column)
Wavelength (TX / RX):	Transmit Output Power: +4 to +7 dBm
Downstream: 1577 nm	Receiver Overload: -7 / -9 dBm
Upstream: 1270 nm	Receiver Sensitivity: -28 / -29.5 dBm
OLT Optical Class: N2	

7. Digital diagnostics and management

Not specified in the reviewed source.

8. Safety and regulatory

ITU-T G.9807.1 (XGS-PON)
Designed for SFP+ based XGS-PON OLT platforms

9. Ordering information

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