

SFP-XGSOLT-N1-I

SFP+ XGSPON OLT 1577T/1270R 20km N1 | 9.95T/9.95R/2.5R SC/UPC, I-Temp

1. Product overview

XGS-PON OLT Transceiver - SFP+ (N1, I-Temp)
The GLOBALfiber XGS-PON OLT Transceiver (N1 class) is a carrier-grade SFP+ optical module designed for standard 20 km XGS-PON access networks. It provides reliable downstream and upstream performance for modern FTTH and FTTB deployments where XGS-PON only is required, without GPON coexistence. With balanced optical power, strong receiver sensitivity, and industrial temperature operation, this module is well suited for central offices, access nodes, and environments requiring stable performance over time.

2. Key features

XGS-PON OLT transceiver (single-mode operation)
N1 optical class optimized for 20 km reach
SFP+ form factor for widespread OLT compatibility
Industrial temperature operation (I-Temp)
SC/UPC optical interface
Designed for carrier-grade access networks

3. Applications

Standard FTTH and FTTB XGS-PON deployments
Greenfield XGS-PON access networks
Central offices and aggregation nodes
Environments not requiring 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-N1-I	Operating Temperature: Industrial (I-Temp)
Description: XGS-PON OLT N1, Industrial Temperature	

5. Recommended operating conditions

With balanced optical power, strong receiver sensitivity, and industrial temperature operation, this module is well suited for central offices, access nodes, and environments requiring stable performance over time.
Industrial temperature operation (I-Temp)
Description: XGS-PON OLT N1, Industrial Temperature
Operating Temperature: Industrial (I-Temp)

SFP-XGSOLT-N1-I

6. Optical characteristics

Optical specifications	Continued (read down each column)
Wavelength (TX / RX):	Transmit Output Power: +2 to +5 dBm
Downstream: 1577 nm	Receiver Overload: -5 / -7 dBm
Upstream: 1270 nm	Receiver Sensitivity: -26 / -27.5 dBm
OLT Optical Class: N1	

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

GLOBALfiber part number	Product description
SFP-XGSOLT-N1-I	SFP+ XGSPON OLT 1577T/1270R 20km N1 9.95T/9.95R/2.5R SC/UPC, I-Temp