



Cisco 10G PON ONT Modules

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Product overview

Cisco® 10G Passive Optical Network (PON) Optical Network Terminal/Optical Network Unit (ONT/ONU) modules enable existing access networks for both business and residential subscribers with 10G PON capabilities. Featuring a standard SFP+ form factor, Cisco 10G PON ONT/ONU modules can be deployed in gateways, switches, routers, and backhaul infrastructure to provide a 10G PON ONT/ONU endpoint.

Cisco XGS-PON ONT SFP+ Module

Compliant with ITU-T G.9807.1, the SFP-10G-ONT20-I module ensures high interoperability, cost-efficiency, and alignment with specific customer requirements. By integrating an XGS-PON MAC and a standards-compliant ONU Management and Control Interface (OMCI) stack, it delivers comprehensive XGS-PON functionality, including robust supervision, monitoring, and maintenance.



Figure 1. Cisco XGS-PON ONT SFP+ Module

Product specifications

Tables 1 and 2 list the Cisco PON SFP+ parameters and characteristics.

Cabling characteristics

Table 1. Cabling characteristics

Product description	Connector type	Media	Cable type	Fiber grade	Core size (microns)	Maximum distance (km)
XGS-PON ONT SFP+	SC/APC	SMF	Single fiber	G.652	9	20

Environmental and operational characteristics

Table 2. Environmental and operational characteristics

Product description	Operating temp range	Storage temp range	DOM capable	Typical power consumption (W)	Bail-latch color
XGS-PON ONT SFP+	-40 to 85°C	-40 to 85°C	No	2.1W	Blue



Dimensions

- XGS-PON ONT SFP+ module: (H x W x D): 13.75 mm x 15.6 mm x 87.5 mm

Regulatory and standard compliance

XGS-PON ONT SFP+ module

- ITU-T G.9807.1 (Class N1) and G.988 (XGS-PON) Compliant
- CE compliant
- FCC/UL compliant
- FDA compliant

Ordering information

To place an order, visit the [Cisco Ordering Home Page](#). Table 3 lists the ordering information for the Cisco SFP transceivers for POS/SDH and ATM applications.

Table 3. Ordering information

Product description	Product number
XGS-PON ONT SFP+ Module	SFP-10G-ONT20-I

Warranty

- Standard warranty: 3 years
- Expedited replacement available via a Cisco SMARTnet® Service support contract



Cisco environmental sustainability

Information about Cisco’s environmental sustainability policies and initiatives for our products, solutions, operations, and extended operations or supply chain is provided in the “Environment Sustainability” section of Cisco’s [Corporate Social Responsibility](#) (CSR) Report.

Reference links to information about key environmental sustainability topics (mentioned in the “Environment Sustainability” section of the CSR Report) are provided in the following table:

Sustainability topic	Reference
Information on product material content laws and regulations	Materials
Information on electronic waste laws and regulations, including products, batteries, and packaging	WEEE compliance

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