

ONTG-8GP-M

GPON



The ONTG-8GP-M optical receiver completes the range of the Fracarro ONT family, fitting into a business market segment thanks to greater versatility and the ability to support devices in the field that require power.

The 8 Giga Ethernet ports are in fact equipped with PoE/PoE+ functionality compatible with IEEE802.3ah capable of powering IP cameras, VoIP phones, access points, etc. ONTG-8GP-M receiver meets FSAN ITU-T G.984.2 standard protocol, supports 1.25Gbps/2.5Gbps asymmetric uplink/downlink speed.

Technical Chars

- XPON support
- PoE/PoE+
- Supports VLAN capabilities and IGMP multicast snooping capabilities
- Network security: MAC address learning
- Smart O&M: WebUI / SNMP / CLI
- AES encryption and decryption
- Fanless and Noise-Free
- Auto MDI/MDI-X

ONTG-8GP-M		
Code		287794
Management ports		1 x RJ45 (console management)
Optical section		
Connector type		SC/UPC single-mode
PON ports		1x GPON Optical Interface
PON max. distance	Mbps	1.25Gbps (Uplink) / 2.5Gbps (Downlink)
Optical Sensitivity		Up to -28 (@1490nm)
Wavelength	nm	Rx: 1490 / Tx: 1310
Optical sensitivity		Up to -28 (@1490nm)
Max. speed		1.25Gbps (Uplink) / 2.5Gbps (Downlink)
Optical saturation	dBm	-8
Ethernet Section		
LAN ports		<ul style="list-style-type: none"> • 8 x 10/100/1000M (auto negotiation Full/Half duplex) • Supports ITU-T G.984, 802.3ah standard • Max. 30W/port

POE Section		
POE power budget	W	120
POE management		<ul style="list-style-type: none"> • Support PoE/PoE+ (PSE) • Max output power per port: 30W • PoE Port AdminState • PoE Port Priority Setting • PSE Overheated Protection
Functions		
Management		OMCI, CLI, WEB and SNMP
VLAN		VLAN, VLAN Stacking, QINQ
MULTICAST		IGMPv1/v2/v3, IGMP VLAN, IGMP Snooping and MLD Snooping
Security		<ul style="list-style-type: none"> • ACL • MAC and IP address filtering • Basic port configuration • Broadcast storm suppression • Loop detect • QoS
Management		
Option mode		<ul style="list-style-type: none"> • The receiver can be managed remotely via OLT • Remote management support via SNMP and Telnet • Local network management from command line and WEB interface • Automatic discovery and link detection • Remote software upgrade • Port based speed limit • Port flow control • DBA (Dynamic Bandwidth Allocation)
Specifications		
Current consumption	W	≤ 20
Operating temperature	°C	-10 to +50
Storage temperature	°C	-10 to +50
Relative humidity	%	10 to 90
Alimentation type		48V DC (Integrated)
Dimensions and packaging		
Packing		Single
Pieces		1
Packaging dimensions	mm	400 x 220 x 65
Product dimensions	mm	280 x 183 x 44
Packaging weight	kg	2.2
Weight	kg	1.7