

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

| ONTG-8GP-M | | |
|---------------------|-----|---|
| Code | | 287794 |
| Management ports | | 1 x RJ45 (console management) |
| PON Section | | |
| Wavelength | nm | Rx: 1490 / Tx: 1310 |
| Max. speed | | 1.25Gbps (Uplink) / 2.5Gbps (Downlink) |
| Optical saturation | dBm | -8 |
| Optical output | | |
| Connector type | | SC/UPC single-mode |
| PON ports | | 1x GPON Optical Interface |
| Optical Sensitivity | | Up to -28 (@1490nm) |
| 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 e 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 DATA GPON TX • 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 Bandwith Allocation) |
| Specifications | | |
| Current consumption | W | ≤ 20 |
| Operating temperature | °C | -10 to +50 |
| Storage temperature | °C | -20 to +65 |
| 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 |