GPON-Rx 8GE 2POTS

GPON

The GPON-RX 8GE 2POTS optical receiver,completes the range of Fracarro's ONT family, inering in a business market segment with increased versatility and the ability to support field devices that require power.

The GPON-RX 8GE 2POTS receiver meets the ITU-T G.984x standard protocol and supports asymmetric uplink/downlink speeds of 1.25Gbps/2.4Gbps.

All Ethernet LAN ports can be configured to handle services belonging to different VLANs.

Technical Chars

- Supports QoQ features, QinQ VLANs, 802.1Q VLANs, multiple VLANs, bandwidth limitation;
- 2 port POTS SIP/MGPC standards;
- Supports IPTV multicast service, IGMPv2 andIGMPv3;
- Supports SNMP client;
- Smart O&M: Web UI, OMCI / TR069 / TR98;
- Fanless and Noise-Free.

Optical section		
Connector type		SC/APC single-mode
PON ports		1x GPON Optical Interface (Class B+)
PON max. distance	Mbps	1.25 (Uplink) / 2.5 (Downlink)
Optical Sensitivity		Up to -28 (@1490nm)
Wavelength	nm	Rx: 1490 / Tx: 1310
Ethernet Section		
LAN ports		• 8 10/100/1000M (auto negotiation Full/Half duplex) • Enterprise LAN features (802.1x, LLDP)
POTS Section		
Connector type		Rj11 (2 x FXS)
Standard		SIP (RFC 3261), MGCPG, Codec: 711 (u-law and A-law), G.729B, G726

Functions

Management		OMCI (ITU-T G.984.x), CTC OAM 2.0 e 2.1, R069/Web/Telnet/CLI
VLAN		VLAN tag/VLAN transparent/VLAN trunk/VLAN translation, VLAN based WAN and VLAN based LAN
MULTICAST		IGMPv2/v3, IGMP Proxy and IGMP Snooping
QoS		802.1Q QoS mapping (VLAN tag) ToS/CoS, 8 queues per port, tagged traffic across VLANs Ethernet ID and priority bits
L3		NAT/NAPT, DNS Proxy, DHCP Server, UPnP, plug and play, IPv4 and IPv6 Dual-Stack-Lite, Bridged Mode, IPv6 support of BRouted and PPPoE Bridged VLANs, DHCPv6 client and server
DHCP		DHCP, Static-IP and PPPoE

Management

Option mode		- Support of remote management via SNMP and Telnet - Local network management from command line and WEB interface - Status monitoring, configuration, alarm management, log (event) management - CLI over telnet - SNMP Client - TR-069, TR-104, TR-98

Specifications

Power supply voltage	V/A	12 / 1.5
Current consumption	W	≤ 19
Operating temperature	°C	-15 to +60
Storage temperature	°C	-40 to +85
Relative humidity	%	5 to 95
Alimentation type		esterno non in dotazione

Dimensions and packaging

Packing		Single
Pieces		1
Product dimensions	mm	260 x 35 x 155
Weight	kg	0.35