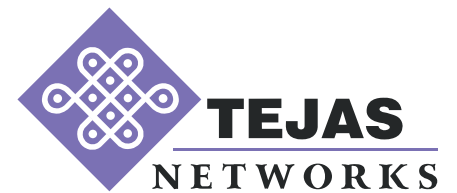


TJ1400-1 G4 GPON OLT

Flexible and Cost Effective Broadband Deployment



Product Highlights

- ✓ Compact 1RU half rack width platform supporting 4 GPON Ports
- ✓ 1:128 split per GPON port
- ✓ Compliant with ITU T G 984 /G 988 with carrier class reliability
- ✓ Residential Enterprise, Mobile Backhaul and IoT applications

Key Features and Benefits

TJ1400-1 G4 is a compact, low density 1RU GPON OLT with 4 GPON ports. This OLT is half rack width with the flexibility to add two of them side by side. It addresses the need for ultra compact, low power consumption platform for fixed-line broadband solutions in residential deployments, enterprises and video surveillance networks.

It encompasses GPON and Carrier Ethernet (CE) technologies. It comes in AC and DC power supply variants. DC variant supports redundant input feeds. The product allows easy installation and commissioning so that the operators' investments are minimized.

Tejas GPON products are fully compliant to ITU-T G.984 and ITU-T G.988 set of standards.

Flexible, Scalable Backhaul: TJ 1400-1 G4 GPON OLT offers 2x1 GE/ 2.5 GE* SFP + 2x1 GE RJ45

uplink interface to allow the FTTx provider to choose the most cost effective backhauling option for his GPON traffic.

Multilevel Protection and QoS: It supports multi level protection for fiber cuts, splitter damage, ONT and OLT port failures. It has advanced bandwidth management features to assure the highest quality of service to delay/jitter sensitive real time video/voice /data applications.

Carrier class Management: TJ 1400-1 is available as a fully managed, end to end solution for FTTH/FTTB services with a complete range of end user ONT devices. These devices come with a diverse set of customer ports such as Fast Ethernet, Gigabit Ethernet, POTS, and Wi-Fi (802.11n/ac) to address multiple deployment scenarios.

Technical Specifications

GPON Interface Specifications

- SC/UPC connector
- Line Rate: D/S, U/S-2.5/1.2 Gbps
- Wavelength: 1490 nm/1310 nm
- Standard OMCI Management Function
- Distance: 20km depending on split ratio
- PON DBA support

Network Uplinks

2*1GE/2.5GE* SFP + 2x1GE

PON Feature

- 128 spilt
- Type B & C* protection
- Supports B+,C+ and C++ optics
- T-CONT Support
- FEC : AES Encryption

Ethernet Switching

- VLAN Support: 1-4094 VLANs
- IEEE 802.1Q
- IEEE 802.1ad
- IGMP Snooping, v1/v2/v3
- Multicast VLAN registration
- MAC learning,
- MAC limiting
- DHCP relay Agent with Option-82
- PPPoE IA
- Ethernet service:
- Ethernet Virtual Connection (EVC),
- ELINE, ELAN
- L2 ACL, L3 ACL
- LLDP

Node Management

Configurable management VLAN

WEB based (HTTPS)

- Telnet
- SNMP v1/v2/v3

QoS

- 8 Hardware Queue
- Priority : SP/WDRR
- Classification DSCP/802.1p
- Traffic Policing

Power

- AC: 160-270V
- DC: -40 to-60 Volts
- Maximum Power: 40 Watts
- Single AC feed or Dual -48V DC feed Fixed PSUs

Environmental

- Operating Temperature: 0°C to 60 °C
- Storage Temperature: -40 C to 70 C
- Humidity: 5% to 90% non-condensing

Physical Dimensions (H*W*D in mm)

220 (W) x 155 (D) x 44 (H)

Regulatory Standards

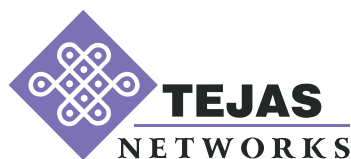
IEC / EN 55032, IEC / EN 55035, CISPR32, CIS-PR35, IEC /EN 62368-1, UL 62368-1, NRTL Listed, FCC Part 15, RoHS 6/6

Standards

ITU-T G.984 (GPON), ITU-T G.988

EMS

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