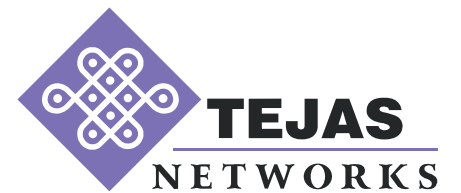


# TJ1400-1 G16 GPON OLT

UltraConverged Broadband Solutions



## Product Highlights

- ✓ Compact Application with state of the art OLTs
- ✓ Residential, Enterprise, Mobile Backhaul and IoT applications
- ✓ Multi-tenant dwelling with AC / DC Power
- ✓ Enhanced QoS and Multicast for Video.
- ✓ Enhanced Business services with protection

## Key Features and Benefits

**Ultra Converged Broadband Solutions:** It provide the flexibility, performance and investment return required by today's total cost per subscriber business plans. These solutions are capable of delivering Broadband Access via fiber or wirelessly, Business services via dedicated or shared access, and with integrated reliable transport capabilities, they reduce costs immediately, while providing scalability for the future.

**Multilevel Protection and QoS:** It guards customers against fiber cuts, splitter damage, ONT and OLT port failures. Advanced bandwidth management features assure the highest quality of service for delay/jitter sensitive real time video/voice/data applications.

**Carrier class service creation:** With 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 WiFi (802.11 n/ac) to address multiple deployment scenarios in the access.

**A Flexible ONT Strategy:** This is based upon standards from the Broadband Forum,

including an G.988 OMCI along with TR-069's CPE WAN Management Protocol (CWMP) to provide support functions for auto configuration, software or firmware image, software module, status, performance and diagnostics. These are combined with TR-156 architecture and service models, to allow for a multitude of service flexible and service specific ONTS in the Tejas TJ2100 family This extends to multi vendor interoperability when upgrading older networks

**Scalable Network Architectures:** These are a clear requirement of any broadband service provider to tailor to geographical expansion, uptake increases and growth in consumer bandwidth usage. Our Ultra Converged Broadband (UCB)solutions provide scaling from the TJ 1400-1 through the TJ-1400 18-Slot with 1 Tbs of capacity. With five options, the ability to extended networks as revenue opportunities arise, provide increased redundancy as market requirements change, to fit your real- estate constraints and be "Future Ready. Today" are unequalled.

Technical Specifications

GPON Interface Specifications

- Transmission: ITU-T G.984
- Line Rate: D/S, U/S - 2.5/1.2 Gbps
- Connector: L C/UPC
- Wavelength: 1490 nm/1310 nm
- Video: 1550 nm
- Distance: 20km depending on split ratio

Interfaces to Ethernet Switch

- 16 port: 2\*10GE + 2\*10/1GE+ 2\*GE Optical +2\*GE Electrical
- Pluggable SFP/SFP+ for Ethernet ports

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 Supply (optional redundancy)

- DC Power Supply -48 DC Nominal (-40 to -57 VDC)
- AC Power Supply 100V to 240V AC , 60 Hz, PSU Redundancy

Environmental

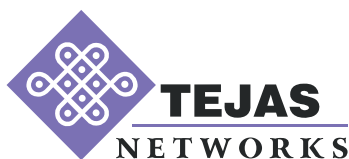
- Operating Temperature:
- Standard Operating temp: 0°C to 60°C
- Relative Humidity: 10% to 90%, non condensing CE, ROHS Compliant
- ETSI/EN 300386, EN 55022 Class A, FCC Part 15 Class A

Dimensions (W x H x D)

444 mm x 44 mm x 242 mm  
19” and 23” rack mount options  
Weight: 3.47 Kg

Related Products

TJ5500 Network Management System



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