

TRIDENT7™ COMPACT OLT 10G OPTICAL TERMINAL

The Enablence TRIDENT7™ Compact OLT (T7 COLT) affords network operators the most options by supporting both GE-PON, and GPON Port Interface Modules (PIMs) from a compact, hardened platform. The T7 COLT requires only two rack units (2 RU) of space, and may be deployed in non-climatically controlled cabinets. The T7 COLT allows services to smaller pockets of up to 512 ONTs using 1 x 64 splits, or can be used to extend network reach and push resiliency closer to the network edge.



BENEFITS

- Superior Quality of Service with a unique ability to support Layer 2 and Layer 3 Switching
- Highest level of security and data link integrity available today in Gigabit speed access networks
- Provides network operators with the most compelling combination of video services in the optical access industry
- Aggregates ONT traffic at Layer 2 and can resiliently interconnect with the distribution network

FEATURES

- Supports all Trident7 Platform Interface Modules
- Support of Multiple Standards from a Common Platform including GE-PON and GPON,
- Four GigE SFP service network interfaces
- Multiple & Rapid Spanning Tree, Link Aggregation
- Compact Temperature hardened 2 RU chassis (-40° to +60°C)

APPLICATIONS

- Support high quality, converged Voice, Video and Data triple-play services
- Provides flexible solutions for network operators
 - High-density
 - Extended Reach
 - Network Upgrade
- Use traditional RF broadcast services to deliver basic and premium channels while simultaneously using IP-based technology for video-on-demand and premium services

[DATA SHEET](#)

SPECIFICATIONS

Network Side Interfaces:

- Two 10 GE XFP uplinks or four 1GigE SFP uplinks with Multiple & Rapid Spanning Tree, Link Aggregation

Management

- T7 Element Management Suite
- Flow-Through Provisioning
- Strong QoS & SLA Enforcement Tools
- GUI & Cisco-based CLI
- SNMP

Power Requirements

- Dual Inputs, -40.5 VDC to -60 VDC
- 75 w nominal, 85 W maximum

Environmental Operating Temperature

- -40° C to 60° C

Humidity

- 10% to 90% relative humidity, non-condensing

Safety

- ANSI / UL60950-2000 with UL50
- FCC FDA CFR21, Part 1040
- USDA Rural Development Listed

Physical Dimensions and Weight

- 17.5" W x 3.5" H x 12"D
- 44.45cm x 8.89cm x 30.48cm
- 22 lbs.
- 9.98 kg

NEBS

- NEBS Level 1
- NEBS Level 3 (pending)

EMI/EMC

- FCC CFR47
- EN 55024: 1998
- EN 55022: 1998

Reliability

- MTBF redundant configuration availability:
 - >0.99999 at 40°, ground fixed in accordance with Telecordia TR-332

Service

- Modular design for ease of maintenance and upgrades
- All modules are hot-swappable

Mounting Options

- Standard relay rack (19" or 23")
- Remote cabinet

For more information
visit www.enablence.com