

# TRIDENT7™ GE-PON PLATFORM INTERFACE MODULE - T7-PIM-4802

Each IEEE 802.3 compliant GE-PON Platform Interface Module (PIMs) offers industry leading bandwidth of up to 1250 Mbps downstream/downstream and advanced QoS and dynamic bandwidth management. Up to eighteen (18) GE-PON PIMs may be installed in a single TRIDENT7™ Universal Access Platform (T7) OLT and one in the compact, hardened T7 Compact OLT (COLT). Each GE-PON module provides four (4) 1000BASE-PX-20 interfaces via Small Form-factor Pluggable (SFP) SC/UPC connections.



## BENEFITS

- High bandwidth - downstream and upstream interface data rates are 1250 Mbps
- Provides dynamic bandwidth assignment, supporting both guaranteed and best effort bandwidth allocation for highest quality services
- Redundant and Hot Swappable Modules

## FEATURES

- Provides four (4) 1000BASE-PX-20- interfaces via Small Form-factor Pluggable (SFP) SC/UPC Connections
- Full Standards Compliance including IETF standard SNMP and IEEE standard OAM support for management
- (1) Gigabit Ethernet SFP interface
- Fully Manageable from the TRIDENT7 Unified Element Management System (EMS)
- Provides SFP-based Ports for FTTP connections to ONTs and other customer premise equipment through the Optical Distribution Network (ODN).

## APPLICATIONS

- Used to support high quality, converged Voice, Video and Data services
- Designed for network operators to use traditional RF broadcast services to deliver basic and premium channels while simultaneously using IP-based technology for video-on-demand and premium services
- Next-Generation Optical Access Networks for consumers or businesses services

**DATA SHEET**

## SPECIFICATIONS

### Subscriber-Side Interfaces

- 18 PIMs per chassis x 4 PONs per PIM = 72 PONS
- 72 PONS with 1 x 32 split = 2,304 GE-PON ONTs per OLT

### Management

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

### Environmental Operating Temperature

- -40° C to 60° C

### Humidity

- 10% to 90% relative humidity, non-condensing
- Standard relay rack (19" or 23")

### Safety

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

### 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")

**For more information  
visit [www.enablence.com](http://www.enablence.com)**