



# Quad Gigabit Ethernet Line Module

## Total Access 5000

### Product Features

- Four SFP ports
- Two 1/2.5Gb capable SFP ports
- Two 1G/100M capable SFP ports
- Complies with 802.3 interface standards
- Multicast packet replication
- Support for 1:1 and N:1 VLAN topologies
- Full Range of VLAN ID support
- IGMPv2 support
- Network or edge mode
- Supported by the Total Access EMS
- Industry-leading 10-year warranty

The ADTRAN® Total Access® 5000 is a carrier class multi-service access and aggregation platform that bridges the gap between existing and next-generation networks. With a pure Ethernet core, the Total Access 5000 supports both legacy and emerging service interfaces over copper and fiber, easily scaling to support even the most bandwidth-intensive applications. As an enhancement to the already robust product line, ADTRAN introduces the next-generation Quad Gigabit Ethernet (GE) four-port line module.

Much like the first generation Quad GE LM (1187550E1), the enhanced Quad GE LM provides four Gigabit Ethernet ports that can be used to extend Ethernet services from the core. It can be installed in a simplex or redundant configuration. The GE four-port LM can also be used to aggregate other third-party, standard Gigabit Ethernet-based services or platforms. Two modes of operation (network or edge) provide the ability to either add additional Total Access nodes to the network, provide Gigabit Ethernet services directly to customers, or to aggregate third-party Ethernet devices. In addition, the enhanced GE four-port LM provides new capabilities not

supported by the previous unit including the ability to use ports one and two as 2.5 Gbps mode to provide 2.5 G connectivity to Total Access 5000s configured as Remote Terminals (RTs). Further, ports three and four may be configured for 100M operation for use with third-party edge devices. Any of the faceplate ports can be placed in a LAG group to increase bandwidth and provide resiliency to subtended devices.

GE interfaces are supported via Small Form Factor Pluggable (SFP) modules, providing options for both short and long distance optical and/or electrical interfaces. The Gigabit Ethernet ports can be configured independently to support different speeds, or ports can be “bonded” together via IEEE 802.3ad Link Aggregation to deliver up to an aggregate 5 G Ethernet connection to the subtended device.

Local management is through VT100 terminal emulation on the craft interface. Remote management is available through Telnet or SNMP using management VLANs. ADTRAN’s Total Access Element Management System (EMS), a comprehensive management platform for the Total Access product line, also can be used to manage the Total Access 5000 GE four-port LM.

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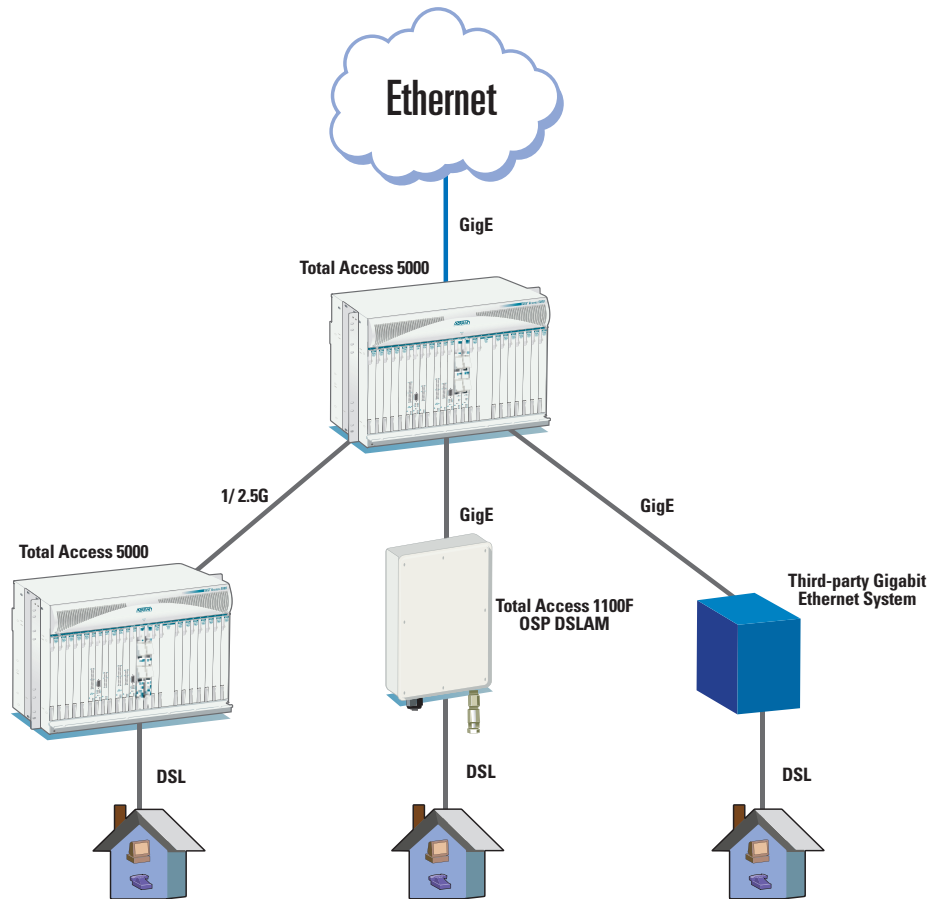
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61187550G2-8B June 2011  
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**Total Access 5000**



## Product Specifications

### Mechanical

- **Dimensions**
  - 9.25 in. H x 0.8 in. W x 9.25 in. D

### Interfaces

- Gigabit Ethernet
- **Physical Interface**
  - Requires blank panels for backplane
  - SFP based connection

### Regulatory Standards

- NEBS Level 3
- GR-1089 CORE
- GR-63 CORE
- NRTL Listed
- FCC Part 15

### Management

- Remote management is available through Telnet (menus) and/or SNMP

### Environmental

- **Operating Temperature:** -40°C to +65°C
- **Storage Temperature:** -40°C to +70°C
- **Relative Humidity:** Up to 95%, noncondensing

## Ordering Information

Equipment	Part #
Total Access 5000 Quad GigE LM	1187550G2
Total Access 5000 LMIO2 High-speed Rear Panel	1188460G1
Total Access 5000 LMIO2 High-speed Rear Panel	1187460E1

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