



# S5 Platform Gigabit Ethernet PON Line Interface Module (LIM)

The S5 platform Gigabit Ethernet PON (GEAPON) LIM is fiber access service delivery module with multiple GEAPON ports. Each GEAPON port generates one IEEE 802.3ah compliant EPON delivering 1.25Gbps symmetric bandwidth over a single fiber. This high speed module provides the service provider with the capability and flexibility to economically offer a complete set of “Triple Play Service” even to the subscribers in long distance where conventional copper access does not reach. Flexibility in service reach is further enhanced by SFP type connector employed in S5 platform.

The GEAPON LIM is designed for Triple Play Service delivery. With massive bandwidth of 1Gbps and extensive feature sets including IGMP, multi-field classifications and multiple queue support, this GEAPON LIM optimizes processing and control for sensitive traffic flows.

The GEAPON LIM has enough optical link power budget to support up to 32 split in 20Km radius of reach. A fully loaded S505 OLT supports 512 ONTs in a compact 3RU platform. The GEAPON LIM port has an SFP connector and is accessed from the front side of the shelf.

## Key Features

- 802.3ah compliant
- IGMP snooping/proxy support
- 802.1q VLAN support
- Multiple LLID & Hardware-based DBA support
- MFC and multiple queue support
- AES 128bit downlink encryption support
- Flexible link distance support by SFP : 1000Base-PX10D & 1000Base-PX20D
- ViewlinX EMS support
- Temperature range : Commercial Version (0°C ~ 50°C) in default, optional Temperature Hardened version is in plan

## Ordering Information

- S5-LIM-EP4G-GR : 4 port SFP Gigabit Ethernet PON OLT module

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