

LT508 FTTH / GPON OLT

FTTH/GPON OLT

The LT508 is a compact GPON OLT system with 8 GPON output ports. The LT508 provides flexibility with 4 optical uplink ports (10GBase-T/1GBase-T) & 4 electrical uplink ports (100/1000 Base-T). This makes the LT508 an excellent solution to provide FTTx service to the areas that have a low density of population or a small number of subscribers with a low capital cost.

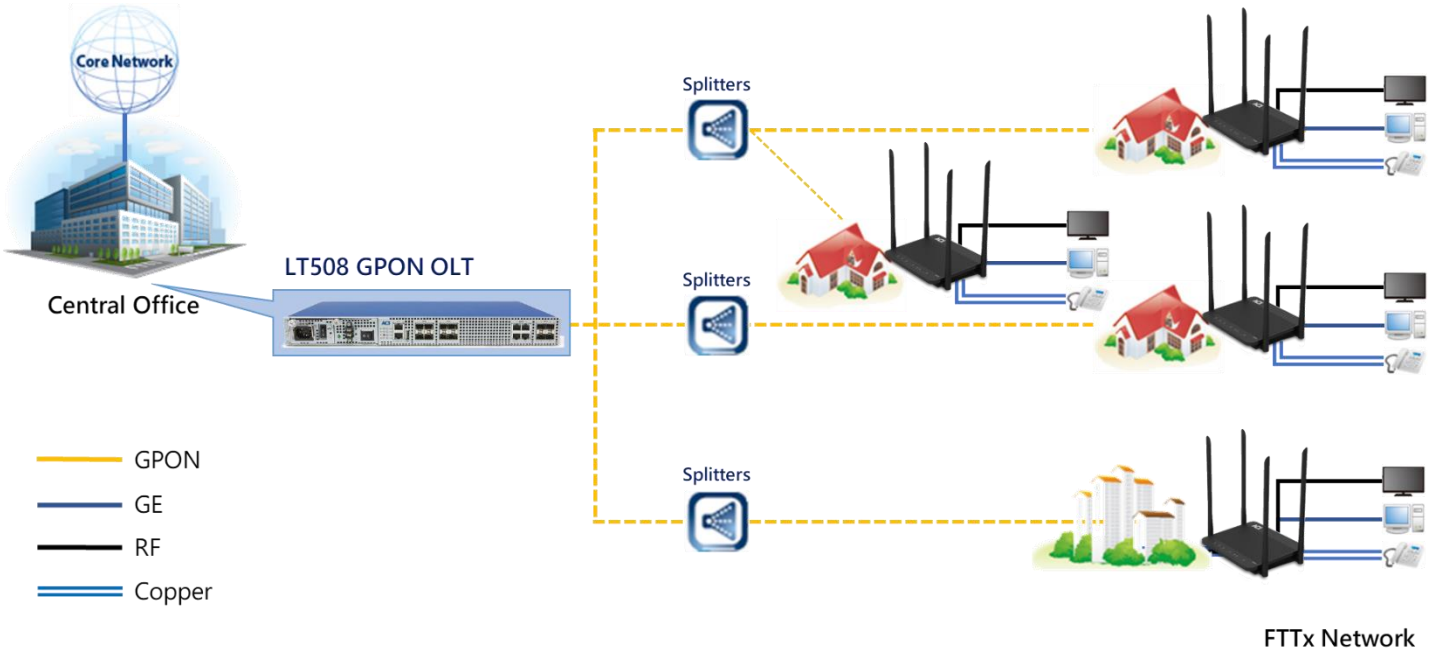
LT508 meets requirements for flexibility and reliability in a compact 1 RU footprint. The LT508 supports the module-type power (AC/DC), Powering is redundant and hot swappable. All configuration access is on the Front panel making this unit very user friendly. Reliable operation and service are guaranteed through power redundancy, which prevents the system shutting down at a power-related failure.

The LT508 has a module-type power supply, 10 Gigabit uplink ports (SFP+) and Gigabit uplink ports (100/1000Base-T), to cover a wide range of different applications.

Features

- ◆ 128 Gbps Switching Capacity
- ◆ 8 GPON ports, 10GigE (Optical) 4 ports and GigE (Electric) 4 ports
- ◆ High Capacity Uplink/Service Interface 2.5Gbps (down) / 1.25Gbps (up)
- ◆ Easy to install
- ◆ Cost-Effective in thinly populated regions
- ◆ Network and local access interface.
- ◆ IGMP support for IPTV applications
- ◆ Modular-type Power and Combo-type ports
- ◆ Reliable FTTx service with power redundancy system
- ◆ Improved QoS and differential traffic service
- ◆ Fully Managed via ACI's on-board Network Management System
- ◆ SNMPv2/v3 with RMON and Alarming

FTTx Network Diagram



LT508 OLT Specifications	
General Specifications	Specifications
Flash Memory	8MB (Boot) + 64 MB (NOS1) + 64 MB (NOS2)
SDRAM	1GB (DDR3)
Service Port	8 x GPON (SFP, SC/PC Type)
Uplink Port	4 x GE Electric Port [100/1000BaseT (RJ45)] 4 x 1G/10GBase-TX (SFP+) Ports
MGMT Port	1 x 100/1000Base-TX (RJ45)
Console Port	1 x Console (RS232)
Exeternal Port	1 x USB 2.0
MAC Table	16 K (Max 288K)
VLAN	4K
Switching Capcaity	168 Gbps
L3 Host (IPv4/IPv6)	1.5K / 768
L3 LPM (IPv4/IPv6)	512 / 512
L2 Multicast	1K
Operating Temp.	-20 ~ 60°C
Operating Humidity	0 ~ 90% (non-condensing)
Power Voltage	AC Type: 100-240VAC, 50/60 Hz DC Type: -48 / 60VDC
Dimension (W x H x D)	440 x 44 x 300 mm

Capailities	Specifications
Layer 2	Standard Ethernet Bridging Port / Subnet / Protocol - based VLAN Spanning Tree: STP, RSTP, MSTP 802.3ad Link Aggreagation Flow Control
Layer 3	L3 Host (IPv4/IPv6) 1.5K / 768 Static Routing RIPv1/v2, OSPFv2, BGPv4, VRRP 1K L2 Multicast
Multicast	IGMP v1/v2/v3, PIM-SM/SSM IGMP Snooping Multicast VLAN Registration (MVR)
GPON	ITU-T G.984 Compliant Support ITU-T G.984.4 ONT Management & Control Interface (OMCI) Remote ONT / ONU Management Automatic ONT Ranging 4K Port-ID and 1K Alloc-ID
Security	Secure Shell (SSH) v1 / v2 802.1x RADIUS, TACACS+ Authentication Storm Control
Management	Serial / Telnet (CLI) SNMPv1/v2/v3 DHCP Server, Relay Agent with Option82 Remote Monitoring (RMON) Syslog, Port Mirroring



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