



## GPON System - ONU / ONT



ONU



ONT

### Description

- Provision of E1, POTS and 10/100 BaseT, 1000 BaseSX/LX Ethernet interfaces to each single family unit and tenant in a building, and grooms these services back to the central office for hand-off on an STM1, E1 or Gigabit Ethernet (GbE) interfaces to the Metro Ethernet equipment.
- And it also provides the CATV services on the RF overlay broadcast.

### ONU / ONT Specification

Parameter		ONU/ONT Specification
Standards		<ul style="list-style-type: none"> <li>•ITU-T G.984 Compliant</li> <li>•2.5 G Downstream (1490 nm) / 1.25 G Upstream (1310 nm) / Analog Overlay (1550 nm)</li> <li>•Distance : 20Km, Split Ratio : Up to 1:128</li> </ul>
Dimension	ONU	•430 mm (W) x 45 mm (H) x 180 mm (D)
	ONT	•50 mm (W) x 20 mm (H) x 150 mm (D)
Interface & Feature	PON	<ul style="list-style-type: none"> <li>•2.5 G Downstream / 1.25 G Upstream</li> <li>•Bidirectional Transceiver for Single Fiber</li> </ul>
	Data	<ul style="list-style-type: none"> <li>•100 Base-TX : Max. 24 Ports (ONU), 4 Ports (ONT)</li> <li>•L2 : VLAN, STP, LACP</li> <li>•Multicast : IGMP Snooping</li> <li>•IPv6 Support</li> <li>•QoS : Classification, Marking / Remarking, 802.1p</li> </ul>
	TDM	<ul style="list-style-type: none"> <li>•ONU : 12 E1 Leased Line Ports / 12 POTS Ports</li> <li>•ONT : 4 POTS Ports</li> </ul>
Capacity		<ul style="list-style-type: none"> <li>•6 Gbps Switching Capacity (ONU)</li> <li>•Native TDM Transmission Using GEM</li> </ul>
Protection Switching		•PON : 1+1
Environmental Condition		<ul style="list-style-type: none"> <li>•Operating Temp. : -30 ~ 60</li> <li>•Humidity : 5% ~ 95%</li> </ul>
Power & Battery		•110/220V AC (ONU DC Option), 8 Hours Back Up