

# OLT FASTLINK GPON 3 PON



## Spesifikasi :

|                          |   |   |
|--------------------------|---|---|
| Chassis                  | Rack Mountable                            | 1U                                      |
| Chipset                  | Realtek                                   |   |
| GPON Port                | QTY                                       | 3                                       |
|                          | Physical Interface                        | SFP Slots                               |
|                          | Connector Module Type                     | Class B+/C+/C++/D                       |
| Uplink Port              | QTY                                       | 3                                       |
|                          | SFP                                       | 1x10GE SFP+                             |
|                          | Ethernet                                  | 2xGE RJ45 10/100/1000M auto-negotiation |
|                          | Max splitting ratio                       | 1 : 128                                 |
| PON Port Specification   |   |   |
| Transmission Distance    | 20KM                                      |   |
| GPON port speed          | Downstream: 2.5Gbps<br>Upstream: 1.25Gbps |   |
| Wavelength               | TX 1490nm, RX 1310nm                      |   |
| Connector                | SC/PC                                     |   |
| Fiber Type               | 9/125µm SMF                               |   |
| TX Power                 | +1~+5dBm                                  |   |
| Rx Sensitivity           | -28dBm                                    |   |
| Saturation Optical Power | -8dBm                                     |   |
| Management Mode          | SNMP, CLI, WEB                            |   |

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|                     |   |
|---------------------|---|
| Max ONU             | 1024  |
| Management Function | <p>Fan Group Detecting;</p> <p>Port Status monitoring and configuration management;</p> <p>GPON management function: DBA, ONU authorization, ACL, QOS, etc.;</p> <p>Online ONU configuration and management;</p> <p>User management;</p> <p>Alarm management.</p>   |
| Layer2 Switch       | <p>Fully support of QoS</p> <p>Support VLAN Translation</p> <p>Support VLAN QinQ,</p> <p>Support VLAN tagging, trunk</p> <p>Support VLAN Aggregation</p> <p>Support Link aggregation</p> <p>Support port isolation</p> <p>Support RSTP;</p> <p>MAC limit, L2 – L4 ACL</p>   |
| Multicast           | <p>IGMP snooping;</p> <p>512 IP Multicast Groups;</p>   |
| DHCP                | <p>DHCP relay;</p> <p>DHCP snooping;</p>  |
| Layer 3 Route       | <p>ARP, ARP proxy</p> <p>DHCP relay, DHCP proxy</p> <p>Static routing, Dynamic routing</p> <p>Support RIP, BGP, OSPF</p>  |
| GPON Function       | <p>Tcont dba;</p> <p>Gemport traffic;</p> <p>In compliant with ITUT G.988 Standard;</p> <p>Support data encryption, multi-cast, port VLAN, separation, RS TP, etc.;</p> <p>Support ONU auto-find/link detection/remote upgrade of software;</p> <p>Support ONU Multiple Authorization: Loid, LOID+Password, SN, etc.</p> <p>Support VLAN division and user separation to avoid broadcast storm;</p> <p>Support VLAN Pool;</p> <p>Support ONU RF management</p> <p>Support power-off alarm function, easy for link problem detection;</p> <p>Support broadcasting storm resistance function;</p> |

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|                       |   |                          |
|-----------------------|---|--------------------------|
|                       | Support port isolation;<br>Support ACL to configure data packet filter flexibly;<br>Support ONU distance calculation on NMS;<br>Support IGMP Proxy.<br>Support Loop Detection;<br>Support Rogue ONU Detect; |                          |
| Power Supply          | 220V/12V - Redundant Power supply   |                          |
| Power Consumption     | < 40W   |                          |
| Operating Environment | Operating Temperature   | -15~+55°C                |
|                       | Storage Temperature   | -40~+75°C                |
|                       | Relative Humidity   | 5~90% (non-conditioning) |



1. Sambungkan kabel LAN dari ISP Internet ke Port Uplink (GE) untuk supply bandwidth di OLT-nya.
2. Kemudian sambungkan juga LAN dari Port MGNT di OLT ke PC/Laptop untuk konfigurasi OLT-nya.
3. Di bagian PON dipasang SFP agar dapat mengeluarkan output laser dari OLT, dilanjutkan menyambung kabel Fiber Optik menuju ke ONU.
4. Setelah semua sudah terpasang, langkah selanjutnya adalah melakukan konfigurasi OLT melalui web browser.