

## EPON OLT 4 port 10G Uplink

Broadcom chip



UP: 1.25G



Down: 1.25G

Switching Capacity: **24G**

Management: HTTP/NMS/TELNET/SSH



## Technical Parameter:

|                     |                                                                                                                                                                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model               | PPSL-10E04                                                                                                                                                                                                                                 |
| DDR                 | 512M                                                                                                                                                                                                                                       |
| Size (L "W"H)       | Product size:440mm x 260mm x 44mm Package size:520mm x 372mm x 87mm                                                                                                                                                                        |
| FLASH               | 32M                                                                                                                                                                                                                                        |
| Weight              | <5kg                                                                                                                                                                                                                                       |
| Uplink              | QTY: 8<br>Copper: 4"10/100/1000M auto- negotiable, RJ45<br>SFP: 4 Uplink 1G/10G SFP slots                                                                                                                                                  |
| PON                 | QTY: 4<br>Physical Interface: 4 PON SFP slots Optical module Type: 1000BASE-PX20+/PX20++/PX20+++<br>Max splitting ratio: 1:64                                                                                                              |
| Management Ports    | CONSOLE port/NNS port                                                                                                                                                                                                                      |
| Power Input         | AC: 100~240U 47/63Hz                                                                                                                                                                                                                       |
| PON function        | Support auto register Blacklist and whitelist ONU DBA configure P2P<br>ONU authorization                                                                                                                                                   |
| Working Temperature | -10°C~60°C                                                                                                                                                                                                                                 |
| Humidity            | 5%~95%                                                                                                                                                                                                                                     |
| Maintenance         | Telnet remote maintenance                                                                                                                                                                                                                  |
| Support standard    | IEEE 802.3ah EPON IEEE802.3(10Base-T) IEEE802.3u(100Base-TX) IEEE802.3z (1000BASE-X) IEEE802.3ab (1000Base-T) IEEE802.IQ(VLAN) IEEE 802.Id(STP) IEEE802.1W(RSTP) IEEE802.1p(COS)<br>IEEE802.1x (Port Control)<br>IEEE802.3x (flow-control) |



|                              |                                                                                                                                                                                                                                   |
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| Configuration and Management | <p>CLI, WEB, SNMP/NMS</p> <p>SSHv1/v2</p> <p>Software and bottom upgrade by TFTP and FTP Record and download log</p> <p>Chinese/ English command prompt Ping</p> <p>Debug diagnosis User management;</p> <p>Alarm management.</p> |
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## Technical Parameter:

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| Layer 2/3 function | <p>VLAN, QinQ, link Aggregation, broadcast storm control Support 4094 VLAN; performance statistic 16K MAC address: mac address management</p> <p>Port Mirror</p> <p>Support RSTP and MSTP Support IGMP Snooping/proxy Support 512M router hosts</p> <p>Support 64 router subnets</p> <p>User management Port isolation</p> <p>ACL access control based on data stream QoS based on port, VID, TOS and MAC address;</p> <p>Encryption of PON port transmitting data Support 802.IX authentication</p> |
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## Advantage:

|                                                                                                                     |
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| EPON: OLT follows the technical standard of IEEE802.3ah and China telecom. (YD/T 1475-2006)                         |
| Optical link diagnosis: complete warning mechanism                                                                  |
| High reliability: supports dual power supply (Default single power supply).                                         |
| Dimension: 1U cassette save space, low power consumption                                                            |
| Uplink: support electrical and optical modules, can be flexibly configured according to different networking.       |
| Capacity: Each PON supports up to 64 terminals, the whole device supports up to 256 ONU's under full configuration. |

## Feature:

|                                                                     |
|---------------------------------------------------------------------|
| Support Full Wier-Speed Forwarding                                  |
| 16K MAC address table.                                              |
| Complete network management functions                               |
| Support flexible DBA, up and down traffic speed control.            |
| Support IP ToS, IEEE802.1Q                                          |
| Support port aggregation.                                           |
| Port-based traffic control, traffic shaping.                        |
| Support ONU, auto-discovery, and auto-registration.                 |
| support the automatic loop-back test function.                      |
| VLAN powerful features, including VLAN Stacking, Trunk, Translation |
| Support IGMP Function                                               |
| Support ACL /QoS                                                    |

