

# GL-E8031U-DR-P

EPON ONU optical network unit GL-E8031U-DR-P, as a single household unit (HGU), integrates strong interoperability, specific needs of key customers and low cost, providing users of FTTB applications with triple play services .

The GL-E8031U-DR optical network unit provides a management channel that conforms to the standard OMCI definition, can realize remote management, and supports the monitoring and maintenance functions of a full range of FCAPS.



## POE power supply characteristics:

- >Support IEEE802.3a and IEEE802.3at
- >MSCC automatic extension, semi-automatic, automatic mode
- >Maximum output power:25W;
- >Working temperature: -10 degrees to 85 degrees
- >Built-in 3.3V and 5V voltage regulator

## Product specifications:

Item	GL-E8031U-DR-P
Hardware interface	<ul style="list-style-type: none"><li>• 4 *10/100/1000 Base-T RJ-45 Ethernet interface</li><li>• Ethernet port auto-negotiation or manual configuration</li><li>• MDI/MDIX Automatic detection function</li><li>• Hardware-based priority queues for upstream and downstream directions support service classification (CoS)</li></ul>

Power supply	<ul style="list-style-type: none"> <li>• +12V ( Provided by external AC/DC power converter )</li> <li>• 2-PIN Power converter input 支持 Dying Gasp</li> <li>• Power on/off</li> </ul>
Power consumption	<ul style="list-style-type: none"> <li>• &lt;6W</li> </ul>
size	<ul style="list-style-type: none"> <li>• 240mm x117mm x30mm (W x D x H)</li> </ul>
weight	<ul style="list-style-type: none"> <li>• 0.28kg</li> </ul>
Environmental parameters	<ul style="list-style-type: none"> <li>• Temperature: 0°C~ 50°C</li> <li>• Humidity: 5% ~ 95% Relative humidity</li> </ul>

**Business characteristics:**

Business	Realize
EPON characteristic	<ul style="list-style-type: none"> <li>• Confirm to IEEE802.3 EPON MAC standard</li> <li>• Support bandwidth control</li> <li>• Support downstream traffic decryption</li> <li>• Support Class B+ Optical power budget</li> <li>• Bandwidth US:1.25G/DS:1.25G</li> <li>• Support FEC ( Forward Error Correction )</li> <li>• Support Strict priority(SP) and Weighted fair queuing(WFQ) mode</li> <li>• Support Power failure alarm</li> </ul>
VLAN	<ul style="list-style-type: none"> <li>• Support port-based VLAN and IEEE 802.1Q VLAN</li> <li>• Support Full rangeVID and PVID</li> <li>• Support Port-based +VLAN Set tag attributes</li> </ul>
Broadcast storm suppression	<ul style="list-style-type: none"> <li>• Can set the number of broadcast messages</li> </ul>
STP	<ul style="list-style-type: none"> <li>• Support IEEE 802.1d/1s/1w Spanning Tree Protocol</li> </ul>
Port aggregation	<ul style="list-style-type: none"> <li>• Support</li> </ul>

Bandwidth control	<ul style="list-style-type: none"> <li>• Support 64K to 100M, Send and receive separate control</li> </ul>
Mirror	<ul style="list-style-type: none"> <li>• Support Port mirroring function</li> </ul>
QoS	<ul style="list-style-type: none"> <li>• Support priority based on port/802.1p/IP-TOS</li> <li>• Support 4-level priority control</li> </ul>
Upgrade	<ul style="list-style-type: none"> <li>• Support Xmodem、 TFTP Protocol upgrade</li> </ul>
Management	<ul style="list-style-type: none"> <li>• Support Telnet Remote configuration</li> <li>• Support SNMP management</li> <li>• Support WEB management</li> </ul>
Safety features	<ul style="list-style-type: none"> <li>• Support centralized authentication of administrator's user password</li> <li>• Support port lock, can limit the number of MAC addresses per port</li> <li>• Support 802.1x</li> </ul>
Maintain	<ul style="list-style-type: none"> <li>• Support debugging information output</li> <li>• Support PING</li> <li>• Support system log</li> </ul>