



**KLF-OG01A-SN GPON ONT**

1GE



**KALIF**  
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## Overview

The KLF-OG01A-SN is a ONT in the all-optical access FTTH solution. It uses the GPON technology to implement ultra-broadband access for users. It provides 1 GE port. The high forwarding performance ensures the user experience of voice, data and HD video services, and provides customers with an ideal all-optical access solution and future oriented service support capability.

It is suitable for Middle range and small company, SOHO and home smart broadband network access with safe FTTH Network gateway, with powerful data processing and make use of GPON uplink, it complies with G.984 and Telecom PON request, operative and compatible with most OLT equipment.

It is with Router, Switch, Safety, USB functions, meet basic Broadband internet network access demand, support safety management, internet contents filtration, support WEB Management, support OAM/OMCI/TR069. Bring much convenience for the Network management and maintenance.

## Models & Appearance



Device Parameters			
<b>Dimensions (H x L x W)</b>	25mm × 70mm × 70mm	<b>System power supply</b>	11–14 V DC, 0.5 A
<b>Weight</b>	About 200 g	<b>Static power consumption</b>	3.5 W
<b>Operating temperature</b>	0°C to +40°C	<b>Maximum power consumption</b>	4.5 W
<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)	<b>Ports &amp; Button</b>	NNI: GPON (SC/UPC) UNI: 1GE Button: 1 Reset+1PWR
<b>Power adapter input</b>	100–240 V AC, 50–60 Hz	<b>Indicators</b>	POWER/PON/LOS/LAN
<b>IC integration</b>	RTL9601D	<b>Memory</b>	RAM 64M, Flash 4M

<b>Interface Parameters</b>	
<b>GPON Port</b>	<ul style="list-style-type: none"> <li>• Class B+</li> <li>• Receiver sensitivity: -27dBm</li> <li>• Wavelengths: US 1310 nm, DS 1490 nm</li> <li>• Wavelength blocking filter (WBF)</li> <li>• Flexible mapping between GEM Port and TCONT</li> <li>• GPON: consistent with the SN or password authentication defined in G.984.3</li> <li>• Bi-directional FEC</li> <li>• SR-DBA and NSR-DBA</li> </ul>
<b>Ethernet Port</b>	<ul style="list-style-type: none"> <li>• Ethernet port self-negotiated or manually configured</li> <li>• MDI/MDIX Auto detection function</li> <li>• Support CoS, based on hardware priority queues, for Uplink and downlink direction</li> <li>• 802.1D Network Bridge</li> <li>• Virtual exchange based on 802.1q</li> <li>• Port-based VLAN tagging and detagging</li> <li>• IP TOS / DSCP to 802.1p mapping</li> <li>• Business Classification based on UNI, VLAN-ID, 802.1p bit, ToS/DSCP</li> <li>• 802.1p Tagged and relabeled</li> <li>• IGMP v2/v3 snooping</li> <li>• Broadcast / multicast rate limitation</li> </ul>
<b>Product Function</b>	
<b>Data service</b>	<ul style="list-style-type: none"> <li>• Variable-length OMCI messages</li> <li>• Active/Passive rogue ONT detection and isolation</li> <li>• PPPoE/DHCP simulation testing</li> <li>• Call emulation, and circuit test and</li> <li>• loop-line test</li> </ul>
<b>Common O&amp;M</b>	<ul style="list-style-type: none"> <li>• OMCI/Web UI</li> <li>• Dual-system software backup and rollback</li> <li>• 802.1ag Ethernet OAM</li> <li>• Optical link measurement and diagnosis</li> <li>• Loopback check</li> </ul>
<b>Multicast</b>	<ul style="list-style-type: none"> <li>• IGMP v2/v3 snooping</li> <li>• MLD v1/v2 snooping</li> <li>• Fast leave</li> <li>• VLAN tag translation, transparent transmission, and removal for downstream multicast packets</li> <li>• IGMP/MLD</li> </ul>



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