



## KLF-OG02D-N xPON ONT

1GE+ 1FE+ 1 POTS+ N300 Wi-Fi



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## Overview

The KLF-OG02D-N is a ONT in the all-optical access solution. It uses the xPON technology to implement ultra-broadband access for users. It provides 1GE port, 1FE port, 1 POTS, and 2.4G Wi-Fi. The high forwarding performance ensures the user experience of 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 xPON uplink, it complies with G.984 and Telecom PON request, operative and compatible with most OLT equipment.

It is with Router, Switch, Safety, 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



<b>Device Parameters</b>			
<b>Dimensions (H x W x D) (mm)</b>	26 mm x 156 mm x 108 mm	<b>Weight</b>	About 180 g
<b>Indicators</b>	POWER/PON/LOS/LAN1/LAN2 / WPS/WLAN	<b>System power supply</b>	< 12W
<b>Operating temperature</b>	0°C to +40°C	<b>Power adapter</b>	100–240 V AC, 50–60 Hz 12 V DC, 1 A
<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)	<b>Ports &amp; Button</b>	NNI: xPON UNI: 1GE+1FE+1 POTS+2.4GWi-Fi 1Reset 1WPS 1PWR
<b>IC integration</b>	RTL9602C-VA4+RTL8192FR	<b>Memory</b>	DDR 64MB (IC built-in) Flash 128MB
<b>Interface Parameters</b>			
<b>xPON 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>• xPON: 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-based VLAN tags and tag removal</li> <li>• 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission</li> <li>• QinQ VLAN</li> <li>• Limit on the number of learned MAC addresses</li> <li>• MAC address learning</li> <li>• Local switching/isolation based on Ethernet ports</li> <li>• Transparent transmission of IPv6 packets at Layer 2</li> </ul>
<b>WiFi</b>	<ul style="list-style-type: none"> <li>• IEEE 802.11 b/g/n</li> <li>• 2 x 2 MIMO</li> <li>• Antenna gain: 5dBi</li> <li>• WMM</li> <li>• Multiple SSIDs</li> <li>• WPS</li> <li>• Wireless rate up to 300Mbps</li> </ul>
<b>Product Function</b>	
<b>Data service</b>	<ul style="list-style-type: none"> <li>• Multiple pattern of high-speed internet access</li> <li>• Line-speed transmission of all packet-length range data</li> <li>• Advanced data features such as VLAN tagging, flow classification and packet filtering</li> <li>• Built-in layer 3 routing and local gateway</li> <li>• With WiFi Network access, 802.11 b/g/n WLAN</li> </ul>
<b>Multicast Video Access Service</b>	<ul style="list-style-type: none"> <li>• Supports data-based video content transmission (via multicast or unicast).</li> <li>• Support IGMP snooping function to provide further application optimization.</li> <li>• Upon the IGMP Snooping function activated, it will monitor the members who join and leave the multicast group at the Ethernet port and selectively transfer the multicast data stream</li> </ul>
<b>GATEWAY FEATURES</b>	<ul style="list-style-type: none"> <li>• Support multiple wan interface</li> <li>• Support WAN Connection</li> <li>• PPPoE</li> <li>• DHCP</li> <li>• Static linking</li> <li>• Automatic address assignment for LAN</li> <li>• DNS Extender</li> <li>• Network address translation (NAT)/Network address port translation (NAPT)</li> <li>• Port forwarding</li> <li>• Static Routing</li> <li>• Flow classification and QoS based on layer 3 and 4 identification</li> <li>• Access Control List (ACL)</li> <li>• Support for vpn transmission based on pptp, l2tp and ipsec protocols</li> <li>• Firewall</li> <li>• application-level gateways (ALG)</li> <li>• DMZ</li> <li>• dynamic domain name service(DDNS)</li> <li>• Support NTP Protocol</li> <li>• Universal plug-and-play (UPnP)</li> <li>• IGMP Agent</li> </ul>



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