



10G XGS-PON + 1\*10GbE SFU ONU

## Key Features:



10G PON Solution  
High Performance Chipset



10GE  
High Speed Port



IPv4/IPv6 Dual Stack

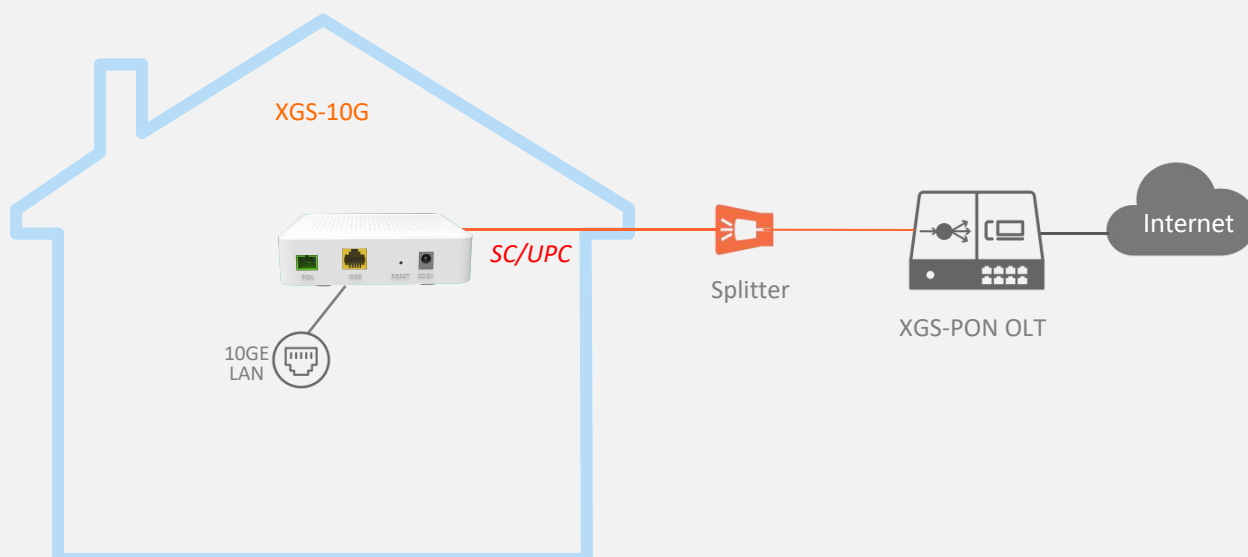


Powered by  
802.3af PoE or DC

## Introduction:

The 10G ONU XGS-10G developed by bitEngine supports XGS-PON, providing multiple rate Ethernet ports of 10GbE. The XGS-10G can easily meet business needs such as 4K/8K and VR, and can provide home and enterprise users with the ultimate experience of 10G ultra-high-speed Internet connection. With tray-mounted fiber structure fiber design, it can be placed on a desktop or wall-mounted, adapting effortlessly to various scene styles!

## Application Chart:



## ○ Hardware Parameter

Dimension	125mm*120mm*30mm (L*W*H)
Net weight	246g
Operating condition	Operating temp: -20 ~ +65°C Operating humidity: 5 ~ 95% (non-condensed)
Storing condition	Storing temp: -40 ~ +70°C Storing humidity: 5 ~ 95% (non-condensed)
Power adapter	12V/2A
Power supply	<12W
Interface	1*10GE
Indicators	SYS, PON, LOS, LAN

## ○ Interface parameter

PON Interface	<ul style="list-style-type: none"><li>• SC single mode, SC/UPC connector</li><li>• TX optical power: 6dBm</li><li>• RX sensitivity: -28dBm</li><li>• Overload optical power: -8dBm</li><li>• Transmission distance: 20km</li><li>• Wavelength:<ul style="list-style-type: none"><li>• XGS-PON:DS 1577nm/US 1270nm</li></ul></li></ul>
10G PON layer	<ul style="list-style-type: none"><li>• ITU-T G.9807.1 (XGS-PON)</li></ul>
User interface	<ul style="list-style-type: none"><li>• 1*10GE, Auto-negotiation,RJ45 ports</li></ul>
Power supply	<ul style="list-style-type: none"><li>• 12V DC in</li><li>• 802.3af PoE</li></ul>

## ○ Function Data

Internet connection	<ul style="list-style-type: none"><li>• Support Bridge mode</li></ul>
Alarm	<ul style="list-style-type: none"><li>• Support Dying Gasp</li><li>• Support Port Loop Detect</li></ul>
LAN	<ul style="list-style-type: none"><li>• Support Port rate limiting</li><li>• Support Loop detection</li><li>• Support Flow control</li><li>• Support Storm control</li></ul>
VLAN	<ul style="list-style-type: none"><li>• Support VLAN tag mode</li><li>• Support VLAN transparent mode</li><li>• Support VLAN trunk mode</li><li>• Support VLAN hybrid mode</li></ul>
Multicast	<ul style="list-style-type: none"><li>• IGMPv1/v2/Snooping</li><li>• Support multicast protocol VLAN and multicast data stripping</li><li>• Support multicast translation function</li></ul>
QoS	<ul style="list-style-type: none"><li>• Support WRR、SP+WRR</li></ul>
O&M	<ul style="list-style-type: none"><li>• WEB/TELNET/SSH/OMCI</li><li>• Support private OMCI protocol and Unified network management of 3rd party OLT</li></ul>
Other	<ul style="list-style-type: none"><li>• Support log function</li></ul>

Product Name	Product Description	Accessories
XGS-10G-O-PoE XGS-10G-O	1*XGS-PON + 1*10GE + PoE PD 1*XGS-PON + 1*10GE	AC-DC power adaptor: DC12V / 1.5A