

# Focuscom



**FS3082**  
1\*10GE+1\*GE

<https://en.focuscom.com.cn/>

## Product Overview

The FS3082 compliant with ITU-T G.987 XGSPON standards. It has good interoperability which can interoperate with mainstream central office manufacturers OLTs equipment. Through high-speed PON access services, users can be provided with broadband Internet or access to the company's corporate network services. it consists of convenient and flexible networking applications, simple & fast installation, high reliability & maintainability.

## Product Highlight

- 1 \* XGSPON interface: SC/UPC (or SC/APC) interface, XGSPON standard
- 1 \* 10GE+1\*1GE, RJ45, IEEE802.3-2005 standard

## Solution Display

The PON system usually consists of the OLT at the office side, the ONU and the ODN at the user side, and adopts a point-to-multipoint network structure. The ODN consists of single-mode optical fibers and passive optical devices such as optical splitters and optical connectors. It provides the optical transmission medium for the physical connection between the OLT and ONU. Implement FTTH service deployment application.

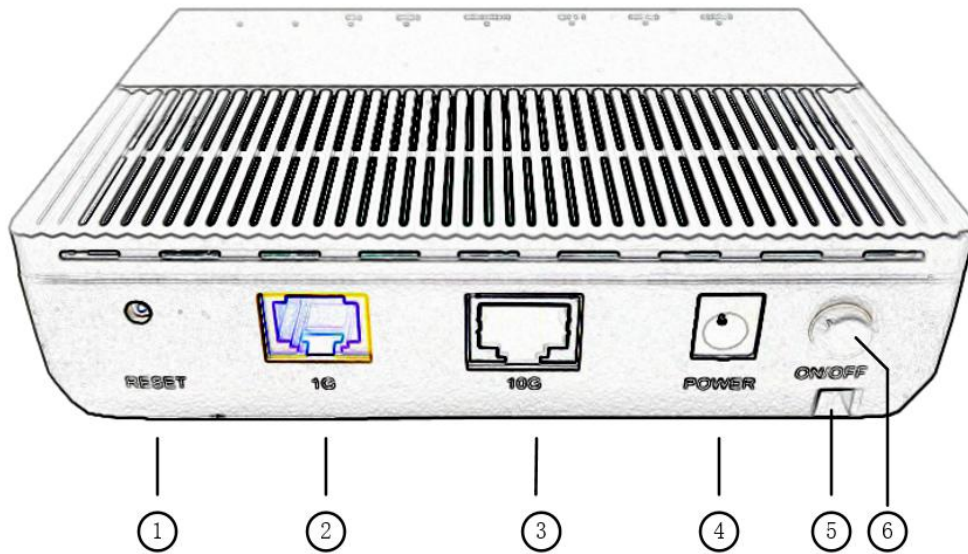


## Product Specification

FS3082	Description
<b>ONT Type</b>	SFU/HGU
<b>Interface</b>	1*10GE+1*1GE+XGSPON
<b>LED</b>	POWER+PON/LOS+INTERNET+1G+10G
<b>CPU Frequency</b>	1 GHz Dual-Core
<b>Flash&amp;Memory</b>	Flash: 128MB; Memory: 256MB;
<b>Power Supply</b>	12V/1A

<b>Power Consumption</b>	≤8W
<b>Environment Standard</b>	Operating Temperature: -5°C~45°C Storage Temperature: -20°C~70°C Relative Humidity: 5%~95% (non-condensing)
<b>Weight</b>	0.15KG
<b>Size</b>	135mm*90mm*36mm (L*W*H)
<b>PON Module Type</b>	Class B+, SC/UPC (or SC/APC)
<b>Wavelength</b>	UP 1270nm, Down 1577nm
<b>TX Optical Power</b>	4-9dBm
<b>RX Optical Sensitivity</b>	-28dBm
<b>Transmission Distance</b>	0~20km
<b>Transmission Rate</b>	XGSPON: Upstream 10Gbps, Downstream: 10Gbps
<b>LAN Interface Type</b>	1G: RJ45 (10/100/1000Mbps) 10G: RJ45 (1/2.5/5/10Gbps)

## Panel view



Interface		Description
1	RST	Reset the ONT
2	1G	RJ45 10/100/1000M Base-T Ethernet interface
3	10G	RJ45 1/2.5/5/10G Base-T Ethernet interface
4	POWER	12V/1A, power input interface
5	PON	XGSPON interface
6	ON/OFF	Power switch button

## LEDs Operating Status

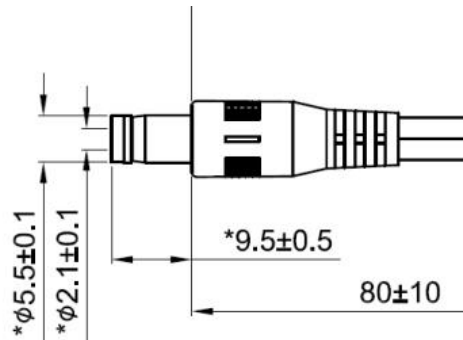
The operation status of FS3082 can be determined by using the front LED. The panel LED indicator will display the status of each interface. The meaning of LED is shown in the following table.

LED	Color	Indicates
PWR	Green/Solid	Normal
	OFF	No power
PON	OFF	Optical link is NOT OK (rang: out of -8~-29dBm)
	Green/Solid	Registered successful and active
LOS	Red	Optical link is NOT OK (rang: out of -8~-29dBm)
	OFF	Optical link is OK(rang: in -8~-29dBm),Registered successful and active
INTERNET	Green/Solid	The WAN interface of the internet is configured
	OFF	The Internet WAN interface is not configured or the Internet WAN interface is configured but does not take effect.
LAN1G/ LAN10G	Green/Flash	Device connected
		Active or Link data receive and transfer (Green/Flash)
	OFF	Device not connected Link down

## Plug-In Units

The device uses a standard 5.5\*2.1\*9.5mm Non tuning fork DC head interface power adapter. Select an appropriate adapter for power supply according to device energy consumption.

The below shows the electrical characteristics of the adapter:



Characteristic	Power adapter
AC: INPUT	AC: 100 ~ 240V; 50/60Hz
DC: OUTPUT	DC: 12V/1A
Rated Power	12W

## Software Specification

Attributes	Description
<b>XGSPON Feature</b>	ITU-T G.987 ITU-T G.988/TR255/TR156 15 TCONTs/256GEM ports

	8 Egress queues per TCONT at least VLAN/priority/VEIP gem mapping mode SN/LOID/SN +Password authentication Performance monitoring: eth/Gem port Dying gasp
<b>Ethernet Port</b>	Ethernet port-based VLAN tags and tag removal MAC address learning 10/100/1000/10000Mbps Auto negotiation
<b>L2 Feature</b>	MAC learning (SVL)/aging Support max frame length to 1518 bytes VLAN tagging for untagged packets Support VLAN 1-4094
<b>L3 Feature</b>	PPPoE/Static IP/DHCP NAT/NAPT Port forwarding ALG, UPnP, DDNS IPv4/IPv6 dual stack, DS-Lite Static, and Default Routes Multiple services on one WAN port
<b>QoS</b>	Support 8 Queues with Strict Priority Ethernet port rate limitation 802.1 priority SP/WRR Service flow classification
<b>Multicast</b>	IGMPv2 (RFC 2236) and IGMPv3 (RFC 3376) IGMP snooping and IGMP Proxy MLDv1
<b>Management</b>	OMCI/WEB UI/TR069 Telnet/SSH Management with CLI commands Dual-system software backup and rollback

## Purchase Info

Model Number	Description
<b>FS3082</b>	1*10GE+1*GE+XGSPON, Accessories: Power Adapter, RJ45 cable,;



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