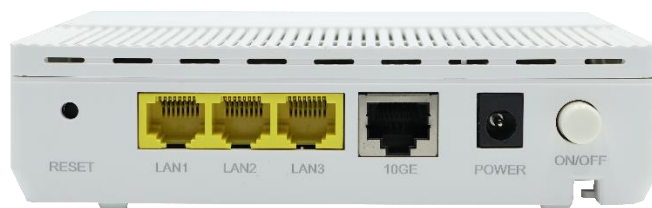


# Focuscom



**FS3084**  
10G+3\*GE

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

## Product Overview

The FS3084 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 \* 10G+3\*GE, 1000 MBPS, RJ - 45, 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 FTTX service deployment application.

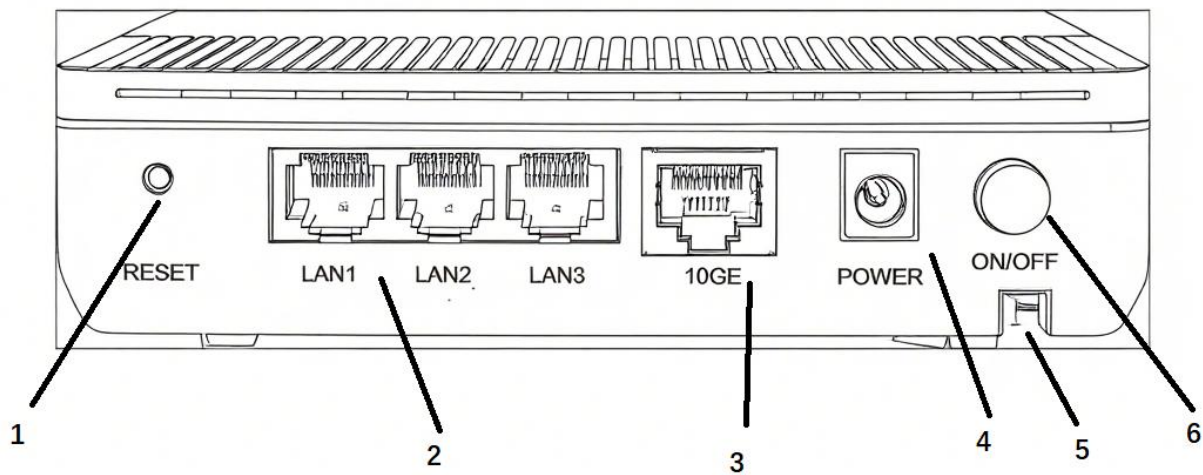


## Product Specification

| FS3084         | Description                         |
|----------------|-------------------------------------|
| ONT Type       | SFU/HGU                             |
| Interface      | 3*RJ45 (GE)+1*RJ45 (10GE) + XGSPON  |
| LED            | POWER+PON/LOS+INTERNET+1G+10G       |
| CPU Frequency  | 1 GHz Dual-Core                     |
| Flash & Memory | Flash: 128MB NAND; Memory: 512 DDR3 |
| Power Supply   | 12V/1A                              |

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

Panel view



| Interface |     | Description                                  |
|-----------|-----|----------------------------------------------|
| 1         | RST | Reset the ONT                                |
| 2         | 1G  | RJ-45 10/100/1000M Base-T Ethernet Interface |

|   |        |                                                |
|---|--------|------------------------------------------------|
| 3 | 10G    | RJ-45 100/1000/10000 Base-T Ethernet Interface |
| 4 | POWER  | 12V/1A, power input interface                  |
| 5 | PON    | XGSPON interface                               |
| 6 | ON/OFF | Power switch button                            |

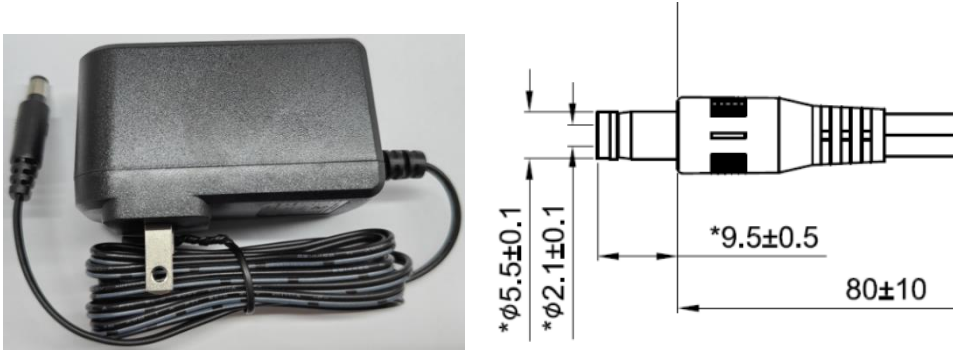
## LEDs Operating Status

The operation status of FS3084can 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~-29 dbm)                                                                   |
|                  | Green/Solid | Registered successful and active                                                                                   |
| LOS              | Red         | Optical link is NOT OK (rang: out of -8~-29 dbm)                                                                   |
|                  | OFF         | Optical link is OK (rang: in -8~-29 dbm) ,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/<br>LAN10G | Green/Flash | device connected                                                                                                   |
|                  |             | Active or Link data receive and transfer (Green/flash)                                                             |
|                  | OFF         | device not connected<br>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<br>ITU-T G.988/TR255/TR156<br>15 TCONTs /256GEM ports<br>8 Egress queues per TCONT at least<br>VLAN/ priority/VEIP gem mapping mode<br>SN/LOID/SN +Password authentication<br>Performance monitoring: eth/Gem port<br>Dying gasp |
| <b>Ethernet Port</b>  | Ethernet port-based VLAN tags and tag removal<br>MAC address learning<br>10/100/1000/10000Mbps Auto negotiation                                                                                                                              |
| <b>L2 Feature</b>     | MAC learning (SVL)/aging<br>Support max frame length to 1518 bytes<br>VLAN tagging for untagged packets<br>Support VLAN 1-4094                                                                                                               |
| <b>L3 Feature</b>     | PPPoE/Static IP/DHCP<br>NAT/NAPT<br>Port forwarding ALG, UPnP, DDNS<br>IPv4/IPv6 dual stack, DS-Lite Static, and Default Routes<br>Multiple services on one WAN port                                                                         |
| <b>QoS</b>            | Support 8 Queues with Strict Priority<br>Ethernet port rate limitation<br>802.1 priority<br>SP/WRP<br>Service flow classification                                                                                                            |
| <b>Multicast</b>      | IGMP v2 (RFC 2236) and IGMP v3 (RFC 3376)<br>IGMP snooping and IGMP Proxy<br>MLD v1                                                                                                                                                          |
| <b>Management</b>     | OMCI/WEB UI/TR069<br>Telnet/SSH Management with CLI commands<br>Dual-system software backup and rollback                                                                                                                                     |

## Purchase Info

| Model Number  | Description                                                     |
|---------------|-----------------------------------------------------------------|
| <b>FS3084</b> | 3*GE+1*10GE+XGSPON,<br>Accessories: Power Adapter, RJ45 cable,; |



SHENZHEN FOCUSCOM TECHNOLOGIES CO.,LTD

Room 1205, Skyworth Digital Building, Songbai Road,

Baoan District, Shenzhen, 518108 China

Tel: 0755-86366755

Fax: 0755-26061156

Website: [www.focuscom.com.cn](http://www.focuscom.com.cn)

*Copyright ©2025 Focuscom All Rights Reserved. Specifications are subject to change without notice.*