



Focuscom



FX3024
1*2.5G+3GE

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Product Overview

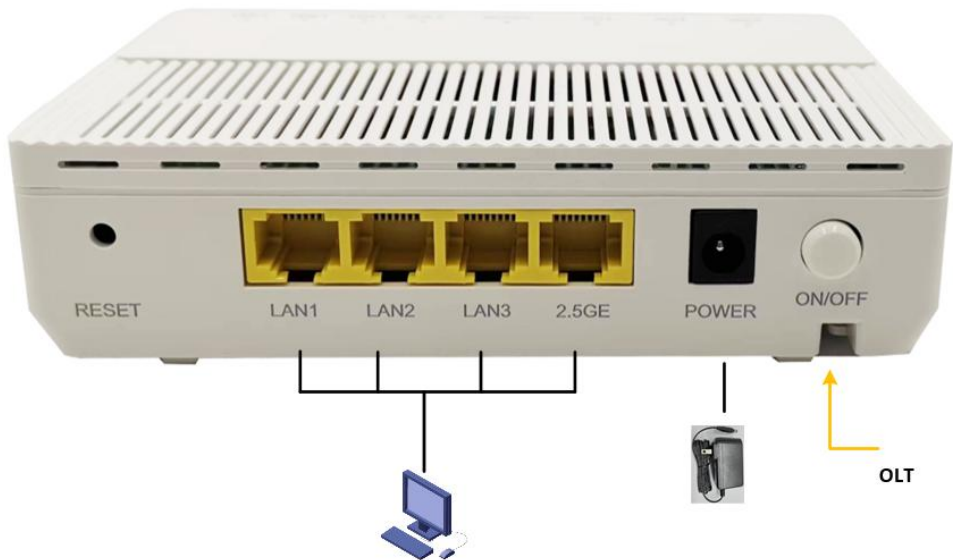
The FX3024 compliant with ITU-T G.987 XGPON standards. It has good interoperability which can interoperate with mainstream central office manufacturers OLTs equipment. Through high-speed PON access services, users can be provided with broadband Internet or access to the company's corporate network services. it consists of convenient and flexible networking applications, simple & fast installation, high reliability & maintainability.

Product Highlight

- 1 * XGPON interface: SC/UPC (or SC/APC) interface, XGPON standard
- 1 * 2.5G+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.

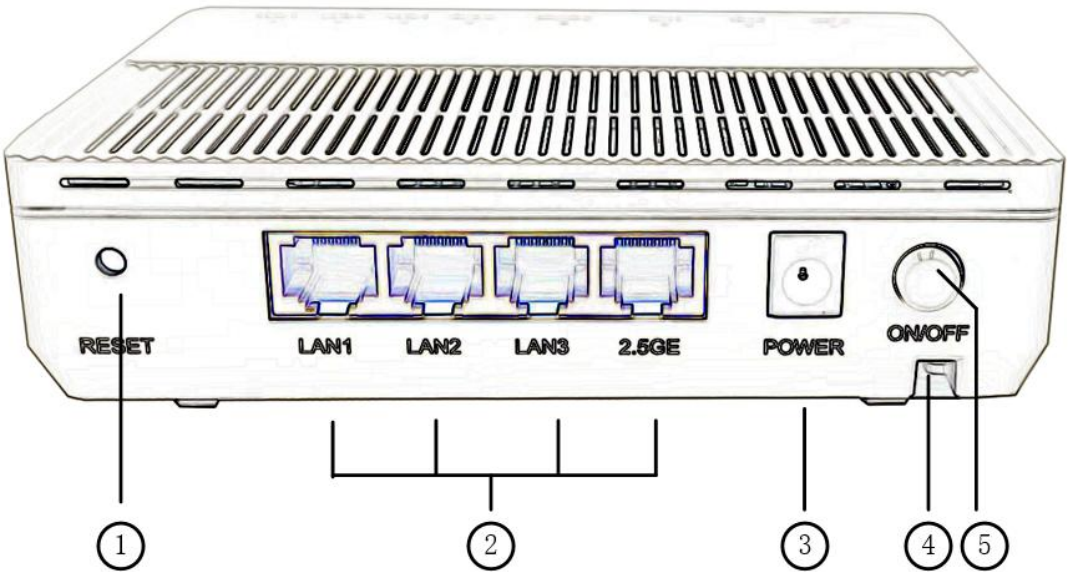


Product Specification

Hardware Specifications	Description
ONT Type	SFU/HGU
Port	3*GE+1*2.5GE+XGPON
LED	POWER+PON/LOS +INTERNET +LAN
Button	POWER + RST

Power Supply	12V/1A DC power input 100V ~ 240V AC/50Hz ~ 60Hz external power adapter
SRAM & Flash	SRAM: 512MB; Flash: 256MB
Power Consumption	<8W
Environment Temperature	Operating Temperature: -5℃~45 ℃ Storage Temperature: -20℃~70 ℃ Relative Humidity: 5%~95% non-condensing
Relative humidity	5%~95% (non-condensing)
Environment Friendly	RoHs、 CE、 CCC
Weight	0.15kg
Size (W*D*H)	135*90*33mm
Module type	Class B+ SC/UPC
wavelength	up 1270nm, down 1577nm
TX Optical power	4~9dbm
RX Optical sensitivity	-28dBm
Transmission distance	0~20km
Transmission rate	XGPON: Upstream 2.5Gbps/Downstream 10Gbps
LAN Interface type	4*RJ45
Interface parameters	3x10/100/1000Mbps 1x2.5G

Panel view



Interface		Description
1	RST	Reset the ONT
2	LAN1/LAN2/LAN3/LAN4	RJ-45 10/100/1000/2500M Base-T Ethernet Interface
3	POWER	12V/1A, power input interface
4	PON	XGPON interface
5	ON/OFF	Power switch button

LEDs Operating Status

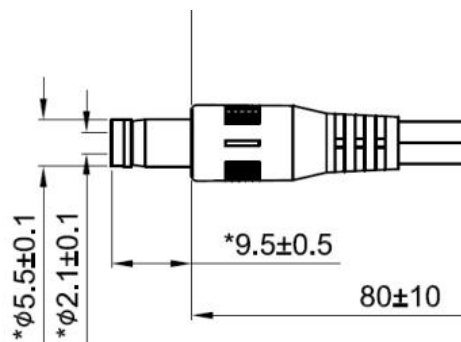
The operation status of FX3024 can be determined by using the front LED. The panel LED indicator will display the status of each interface. The meaning of LED is shown in the following table.

LED	Color	Indicates
PWR	Green/Solid	Normal
	OFF	No power
PON	OFF	Optical link is NOT OK (rang: out of -8~-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.
LAN1/ LAN2/ LAN3/ LAN4	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
XGPON Feature	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
Ethernet Port	Ethernet port-based VLAN tags and tag removal MAC address learning 10/100/1000/2500Mbps Auto negotiation
L2 Feature	MAC learning (SVL)/aging Support max frame length to 1518 bytes VLAN tagging for untagged packets Support VLAN 1-4094
L3 Feature	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
QoS	Support 8 Queues with Strict Priority Ethernet port rate limitation 802.1 priority SP/WRP Service flow classification
Multicast	IGMP v2 (RFC 2236) and IGMP v3 (RFC 3376) IGMP snooping and IGMP Proxy MLD v1
Management	OMCI/WEB UI/TR069 Telnet/SSH Management with CLI commands Dual-system software backup and rollback

Purchase Info

Model Number	Description
FX3024	1*2.5GE+3GE+XGPON, Accessories: Power Adapter, RJ45 cable;



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