
XGSPON ONT Datasheet

10GE+1GE

Product Overview

The FS3082 is one of the latest XGSPON passive optical network communication terminal series, the product provides one 10/100/1000M/10GE RJ45 interface, one optical fiber access, suitable for home and small business users, which can well meet the FTTH high-speed data transmission application

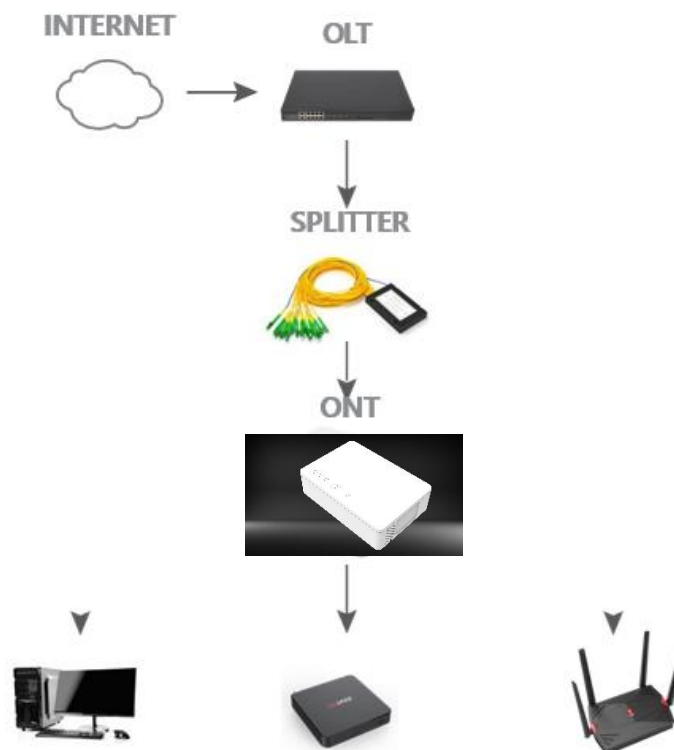
Interface Function

- 1 * XGSPON interface: SC/UPC/APC interface, XGSPON standard
- 2 * Ethernet interface: 10 MBPS / 100 MBPS / 1000 MBPS + 10GBPS, RJ - 45, IEEE802.3-2005 standard
- 1*DC interface

Cable Connection



Model: FS3082



Hardware Parameters

CPU Frequency	1.GHz Dual-Core
Flash	128MB NAND
Memory	256MB DDR3
LED	POWER+PON/LOS+10GE+1GE
Port	1*RJ45(10GE)
	1*RJ45(GE)
	1*Reset+1*Power
	1*SC/UPC (or SC/APC)
	1*DC
Size	130mm*90mm*37mm(L*W*H)
Consumption	≤12W

Interface Parameters

Ethernet Port	Ethernet port-based VLAN tags and tag removal
	VLAN transparent and mark
	MAC address learning
	10/100/1000Mbps Auto-negotiation

Environment

Operating Temperature	0°C~45°C
Storage Temperature	-20°C~70°C
Operating Humidity	5% ~ 95% (non-condensing)
Power Supply	12V/1A

Product Function

GPON

- ITU-T G.984.1-4
- ITU-T G.988/ITU-T G.9807.1
- 32 TCONTs /256GEM ports
- 8 Egress queues per TCONT at least
- VLAN or VLAN plus priority gem mapping mode
- SN/LOID/SN + Password
- Authentication performance monitoring: eth/Gem port Dying gasp

Layer 2 Features

- MAC learning (SVL)/aging
- Support max frame length to 1518 bytes
- VLAN tagging for untagged packets
- Support VLAN 1-4094
- VLAN transparent / translation

QoS

- Support 8 Queues with Strict Priority
- Ethernet port rate limitation
- 802.1 priority
- SP/WRP/SP+WRR
- Service flow classification

Multicast

- IGMP v2 (RFC 2236) and IGMP v3 (RFC 3376)
- IGMP snooping and IGMP Proxy
- MLD v1/v2

Product Function-Continued

Management

- OMCI/WEB UI/TR069
- SSH Management with CLI commands
- Dual-system software backup and rollback