# CatCast

# 4 PON Ports GPON OLT [ HPF3704 ]

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Dimension (mm)：  442 (L) x 290 (W) x44 (H)

Weight：  6kg

## Overview

HPF3704 GPON OLT designed with Broadcom chipset, which provides 4 GPON ports, 4 GE copper RJ45 Ethernet ports, 2 SFP(GE) and 2SFP+(10GE) optical uplink ports , it has high reliability, highly dense broadband access and robust switching and routing abilities, is a new generation of broadband and multi-service access OLT devices oriented towards the service-integrated network.
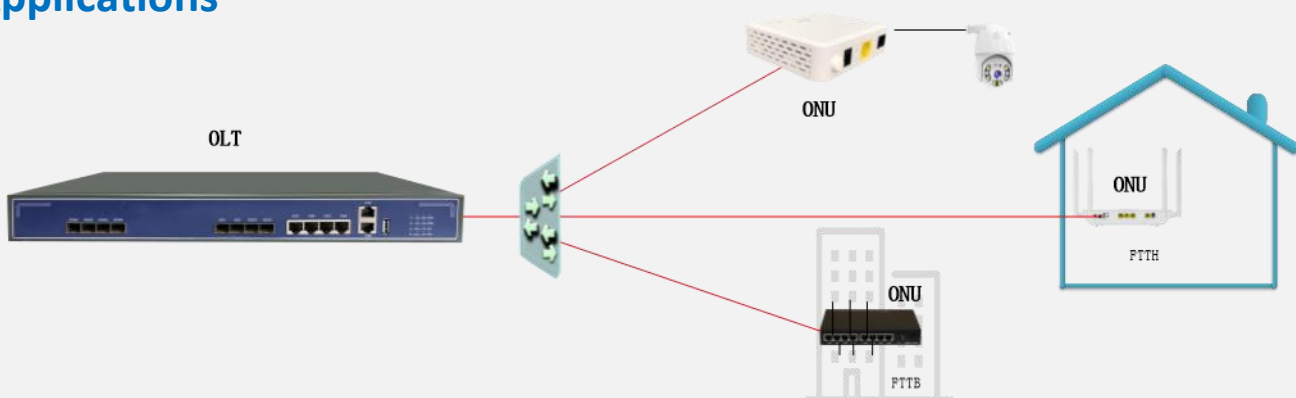
HPF3704 OLT integrates with network security, supports data, voice and video, and provides continuous forwarding, graceful restarting and ring protection, improving the work efficiency and securing the maximum running time.

Independent 1U chassis equipment with 4 PON ports, each port supports up to 128 ONUs, the whole device supports up to 512 ONUs. Small size and high density OLT, easy to install, convenient, flexible and easy to deploy high performance broadband access network. It is appropriate to be deployed in compact room environment. The OLTs can also be used for "Triple-Play"(data voip and IPTV) applications.

## Features

- 1U 19 inch standard chassis GPON OLT with 4PON ports
- Compliant with ITU-T G984/G.988 standards and China Telecom GPON Technical Requirements
- Friendly Web/Telnet/CLI management
- Remote online ONT configuration and management
- 32K Mac address
- Support 4096 VLANs, port VLAN and protocol VLAN;
- Support port rate limitation
- Support 802.1D and 802.1W

- Access control list;
- Port stability statistic and monitoring;
- Support IGMP snooping
- DHCP relay,DHCP snooping
- Support ONT auto-discovery, auto configuration
- Support broadcasting storm resistance function;
- Support ACL and SNMP to configure data packet filter flexibly;
- Two power supply redundancy design

## Applications

**CatCast**

## Interface

| | | |
|---|---|---|
| PON standard | | GPON ITU-T G984/G.988 |
| PON interface | | 4*GPON SFP Ports (Class C+),  Receiving sensitivity: ≤-30dBm(Saturation Optical -12dBm). Power, Transmitting optical power: +3～+7dBm Transmission distance: 20KM. Max splitting ratio1:128 |
| Wavelength | nm | Tx1490, Rx 1310 |
| Speed | Gbps | Downstream 2.488G Upstream1.244G |
| Uplink | GE | 4*copper Ethernetports 10/100/1000Mauto-negotiation |
| | SFP GE | 2*SFP(GE) |
| | SFP 10GE | 2* SFP+ (10GE) |
| USB | | 1*USB2.0(Type A) |
| Management Ports | | 1*10/100BASE-T out-band port, 1*CONSOLE port |

## Function Data

| | | |
|---|---|---|
| Distance | | Up to 20KM transmission Distance |
| Management | | WEB/Telnet/SNMP |
| Backplane | Gbps | 92 |
| MAC table | K | 32 |
| Multicast | | Support IGMP v1/v2/v3 Support IGMP Proxy an Snooping |
| ONU management | | Support ONT auto-discovery/link detection/remote upgrade of software |
| Broadcast | | Support broadcasting storm resistance function |
| VLAN | | 4096 VLANs Support port VLAN Support VLAN tag/Un-tag, VLAN transparent transmission |
| DHCP | | Support DHCP Server & DHCP Relay |
| Security | | Port stability statistic and monitoring Access control list |

## Environmental Specifications

| | | |
|---|---|---|
| Operating condition | ℃ | Working temp: -5 ~ +55°C Working humidity:5~90%(non-condensing) |
| Storing condition | ℃ | Storing temp: -40 ~ +85°C Storing humidity:5~ 90% (non-condensing) |
| Power supply | V | AC 85~265 |
| Power consumption | W | ≤45W |