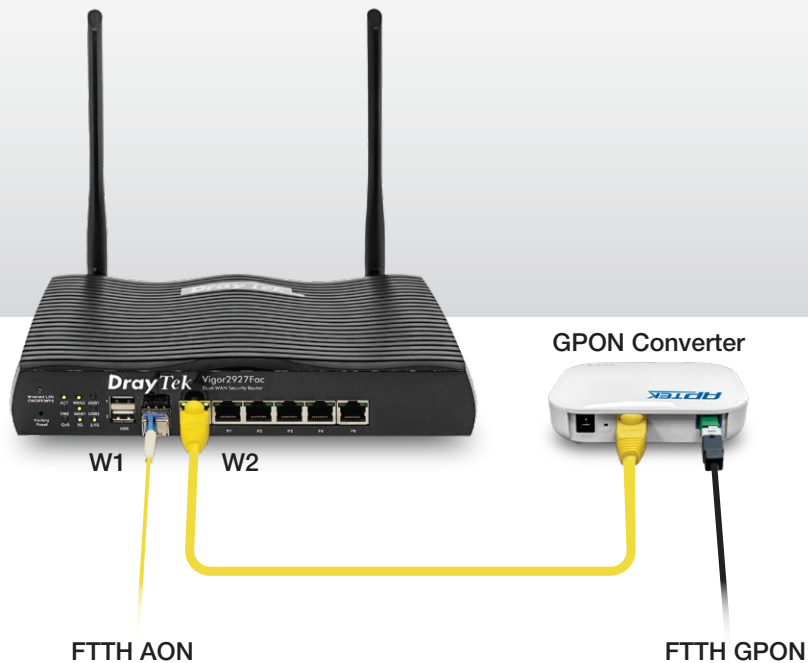# APTEK GP-C01Z
Indoor Optical Network Unit (ONU)

- Dual mode (access EPON/GPON OLT)
- Support downstream 2.5Gbps and upstream to 1.25Gbps with transmission distance to 20Km(GPON Mode)
- Fiber access and gigabit port provide incredibly fast transfer speeds.
- Support multiple registration methods.
- Supports OMCI (ONT Management Control Interface) and OAM remote management.
- Support IPv4/ IPv6 IGMP snooping and MLD snooping.
- Support bridge, router mode.
- Router mode support PPPoE / DHCP/ Static IP

The APTEK GP-C01Z is an indoor Optical Network Unit (ONU) used FTTH solution. GP-C01Z supports the uplink and downlink symmetric 1Gbps transmission rate. It features high-performance service forwarding capabilities to ensure an excellent experience with Internet and HD video services. Therefore, the APTEK GP-C01Z provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment. It's fully compliant to technical regulations such the ITU-T G984.x and IEEE802.3ah technical standards and has good compatibility with third party manufacturers OLT.

Topology

GPON Converter

W1   W2

FTTH AON   FTTH GPON

Specifications

PON

Protocol Standards	ITU-T G.984.x,IEEE802.3ah
Distance	20Km Max
Data Rates	■ Work as GPON: Upstream rate 1.25Gbps Downstream rate 2.5Gbps ■ Work as GPON: Upstream rate 1.25Gbps Downstream rate 2.5Gbps
PON TX Power	1~5dBm (1310nm)
PON RX Sensitivity	<-28dBm（1490nm)

HARDWARE

WAN Type	1xSC/PC or 1xSC/APC (optional) 1 x 10/100/1000Mbps LAN ports
LED	PON , LAN, LOS, PWR
Buttons	Reset button
Power Supply	DC 12V/0.5A
Dimensions (W x D x H)	104 x 70 x 22mm

SOFTWARE

MU-MIMO	Dynamic IP/Static IP/PPPoE
DHCP	Server, Client, DHCP Client List, Address Reservation
Port Forwarding	Virtual Server, Port Triggering, UPnP, DMZ
VLAN	IEEE 802.1Q
Access Control	Local Management Control, Host List, Access Schedule, Rule Management
Firewall Security	DoS, SPI Firewall IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding
Management	Web, TELNET Local Management Remote Management
Internet Protocol	IPv4, IPv6

ENVIRONMENT

Operating Temperature	-10°C~50°C
Storage Temperature	-40°C~70°C
Operating Humidity	10%~90%, non-condensing
Storage Humidity	5%~90% non-condensing
Certificate	CE

PACKAGE

Package Contents	1 x GPON ONT Pro 1 x Quick Installation Guide 1 x Power Adapter