FIBERLINK 501

GPON ONU - Wi-Fi AC1200 Dualband - Easy Mesh

DESCRIPTION

Fiberlink 501 is a GPON router ONU for FTTH applications. Its main feature is Dualband 802.11ac Wi-Fi (2.4GHz and 5GHz) and Easy Mesh technology support.

It is perfect for triple play services and residential ultra-broadband plans, as it has multicast support for TV, IP telephony port, high-performance Wi-Fi and the possibility of expanding coverage via Easy Mesh devices (check the line of Mesh PK500 routers).

It has an integrated analog telephone adapter (ATA) with an independent voice port. The VoIP solution implemented in this product is fully compatible with the SIP protocol.

HIGHLIGHTS

- ✓ GPON ONU
- ✓ ITU G.984 1.244Gbps Uplink / 2.488Gbps Downlink
- ✓ Router IPv4 and IPv6
- ✓ 2 x Gigabit Ethernet Ports RJ45
- ✓ Wi-Fi AC1200
- ✓ MU-MIMO 2x2
- ✓ EASY MESH
- ✓ BEAMFORMING
- ✓ 300Mbps + 867Mbps Dualband Wi-Fi
- ✓ Wi-Fi 802.11n 2T2R ~ 300Mbps
- ✓ Wi-Fi 802.11ac 2T2R~ 867Mbps
- ✓ 2*2 External Antennas (2,4GHz + 5GHz on the same ant.)
- ✓ 1 RJ11 FXS Port
- ✓ Power Supply 12V
- ✓ Optical connector SC/APC

TECHNICAL SPECS

INTERFACES

EXTERNAL PORTS

2 Gigabit Ethernet RJ45 Ports

1 GPON Port

1 FXS RJ11 Port

ETHERNET INTERFACE

2 x 10/100/1000 Mbit/s RJ45 Ports

Auto-Negotiation

Auto MDI/MDI-X

IEEE 802.3, 802.3au e 802.3x Compliance

GPON INTERFACE

Single-mode female SC/APC connector

1490nm downstream wavelength

1310nm upstream wavelength

Maximum data rate of 2488 Gbit/s downstream and 1244 Gbit/s upstream

ITU-T G.984 GPON standard compliance

- G.984.1 General Characteristics
- G.984.2 Physical Media Dependent (PMD) layer Specification
- G.984.3 Transmission convergence layer Specification
- Optical transmission power: +0.5 to +5.0 dBm
- Receive sensitivity: -8 dBm ~ -28dBm (±3dBm)

FXS RJ11 INTERFACE

1 x FXS Port

Impedance: 600 ohms (connection to a regular telephone device)

DTMF tone generation and detection

Line tone generation

Call tone generation

WIRELESS INTERFACE

IEEE 802.11 b/g/n/ac

MU-MIMO 2x2

Beamforming (5GHz)

Easy Mesh

WPA/WPA2 Authentication

Bandwidth 20MHz, 40MHz e 80MHz (5GHz)

Two dual band antennas 2.4GHz: 5dBi and 5GHz: 5dBi

Transmitter Power: 20dBm (2.4GHz) 21dBm (5GHz)

Total power: 25dBm (2.4GHz) 26dBm (5GHz)

Multiple SSIDs

CONFIGURATION, PROVISIONING, AND MONITORING

GPON provisioning via OMCI (GPON, LAN, PPPoE interface)

Configuration via Parks Easy, Web, TR-069

Firmware update via OMCI, Web or TR-069

LEDs to indicate status and activity

IP Host (ONU Management IP)

FUNCTIONALITIES

GPON

Support static and dynamic bandwidth allocation (SBA/DBA)

VLAN support according to IEEE 802.1Q

Activation authenticated by serial number and/or password

GEM Port Support for Multicast

Downstream traffic protection with AES encryption with up to 128-bit key

Up to 128 GEM port-IDs

Dynamic Bandwidth Report upstream (DBRu)

LAYER 2/3 FEATURES

VLAN tagging e untagging

VLAN trunking

IPv4 and IPv6 Router

Static Routing, RIPv1 and RIPv2

DHCP Client and Server (IPv4 and/or IPv6)

RA server

SNTP

NAT/NAPT

PPPoE

Dynamic DNS

UPnP

DNS Relay

Access Control List (L3/L4)

VoIP

Call identifier

Call Forwarding

Call Waiting

Hot-line service

Echo cancellation G.168

SIP RFC 3261

Codec G.711U, G.711A, G.723, G.729 , G.722, G.726

In-band and out-of-band signaling support (RFC 2833)

Voice Active Detection (VAD)

T.38

VoIP Jitter Buffer

Real Time Protocol (RTP)

MECHANICAL, ELECTRICAL AND ENVIRONMENTAL FEATURES

External Power Supply

Output: 12V - 1A

Consumption: 12W (maximum)

Operating temperature: 0°C to 40°C

Relative humidity: up to 95% non-condensing

W x H x D (mm): 210 x 32 x 150

For more information, visit www.parks.com.br.

The information presented in this document is subject to change without previous notice.