



SUBSCRIBER END EQUIPMENT

Earth-Gstick-100+

GPON ONU stick

Product Description

The Earth-Gstick-100+ GPON ONU stick module has been designed for FTTx applications. EARTH-GSTICK-100+ is an GPON ONU device designed with the ITU-T G984 standard. It is a cost-effective GPON customer premise system and can provide 1244Mbps upstream/ 2488Mbps down Stream Broadband services by connected subscriber's switches or routers.

More details about the product

As compared to other broadband access technologies such as xDSL and cable modem, Passive Optical Network (PON) technology offers some competing advantages, including a long-term life expectancy of the fiber infrastructure, lower operating costs through the reduction of "active" components, support for greater distance between equipment nodes, and most importantly, much greater bandwidth. Well satisfying the high speed access demand, GPON has a more prosperous perspective.

EARTH-GSTICK-100+ provides the core functionality of an ITU-T G984.2 GPON Optical Network Terminal (ONT) . In addition, the device also offers some advanced functions such as DBA,AES, FEC, PLOAM,OMCI. A powerful Network Processor is provided to allow for traffic prioritization, local address filtering, and statistics gathering. A dedicated processor provides management control and responds to in-band OAM commands and Host Interface messages for configuration and statistics gathering. By means of configuring personal variables accordingly, you will get a device that will fit your application very well.

PRODUCT FEATURES AND APPLICATIONS

Earth-Gstick-100+

Applications

- » Home Gateway
- » Network Switch, router and MDU

Features

- » Simple Fiber termination Bi-directional with 2488Mb/s Downstream
- » Single fiber Bi-directional with 1244Mb/s upstream
- » 1310nm DFB Burst Mode Laser
- » 1490nm CW Mode Receiver
- » Optical link measurement and diagnosis
- » Downstream AES decryption
- » Highly flexible 802.1Q VLAN support
- » Single 3.3V DC supply
- » SFP Package Outline
- » Single Fiber, Full Duplex Operation
- » 2X10 Electrical SFP Connector
- » Operating temperature – 0 to +80 degree Celsius

GPON Features

- » Compliant with ITU-T G.984 (G.984.5 support)
- » SC/APC in GPON SFP stick
- » 1 x SC/APC complies 984.5 and Class B+

Earth GStick family product models

Model	Type	LAN Interface	Voice/POTS	CATV	WiFi
Earth-Gstick-100+	GPON ONU Stick	--	--	--	--