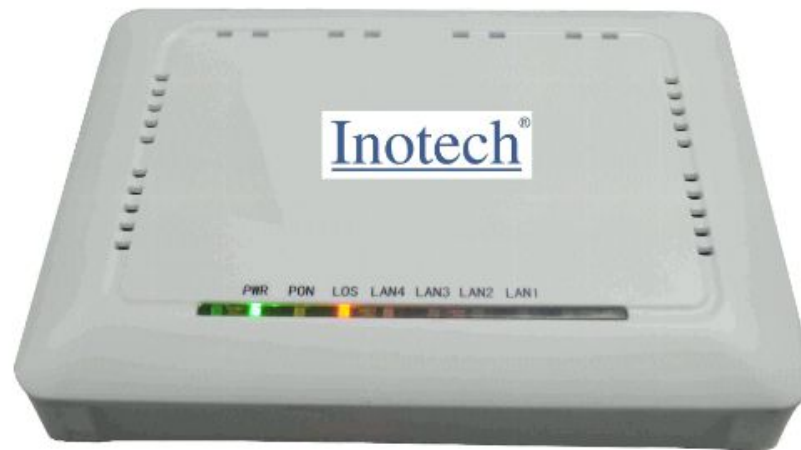


PTF1004-4FE ONU



Description

PTF1004 ONU is the passive optical network end-user's product, which have 1PON uplink port and 4 *10/100 Mbps Ethernet interface, it fully comply with IEEE 802.3-2005 and the China Telecom EPON device technical specification (V2.1). and it compatible every standard EPON OLT can provide high speed data service for customers.

Features

- n Only data type ONU
- n Be complied with IEEE802.3ah standard
- n Transmission distance of 20KM
- n Supporting data encryption
- n Supporting multicast
- n Isolating from each different data port
- n Supporting broadcast storm suppression
- n Supporting RSTP Rapid Spanning Tree
- n Supporting partition of port and protocol-based VLAN
- n Supporting port-based performance statistics
- n Supporting ACL, can flexibly deal with different access data.
- n Supporting a variety of flexible bandwidth allocation
- n Supporting multi-LLID and single LLID configuration, using different LLID for different user or demand for different QOS service levels

- n Supporting software upgrade online
- n Supporting EMS unified network management based on SNMP protocol network management platform, easy installation and maintenance
- n With failure alarm function, ease for fault diagnosis

Specifications

Item	Parameter	Specification
Interface Specification	PON interface	An EPON optical port Comply with 1000BASE-PX20 standard Uplink and downlink symmetrical 1.25Gbps rate SC single-mode single fiber Maximum split ratio: 1:64 transmission distance: 20KM (split ratio of <1:32)
	User port	4 10/100M adaptive Ethernet port Full / half duplex RJ45 copper ports, with cross-directly connected adaptive Transmission distance of 100 meters
	Power Interface	12V DC power supply interface An external 12V 0.5A AC / DC power adapter
Performance Specifications	PON optical port performance	Wavelength: Send 1310nm receiver 1490nm Transmit Power: -1 ~ 4dBm Receiver sensitivity:-24dBm Saturated optical power:-3dBm
	Data transmission	PON port throughput: Downlink 950Mbps; uplink

	performance	<p>930Mbps</p> <p>Ethernet port: 100Mbps</p> <p>Packet loss rate: $<1 * 10E-12$</p> <p>Transmission delay: $<1.5ms$</p>
	Operational capacity	<p>The second layer wire-speed switching</p> <p>Support switch of VLAN TAG / UNTAG, VLAN</p> <p>Support the port speed limitation</p> <p>Support the business prioritization</p> <p>Support broadcast packets inhibition</p> <p>Support RSTP</p>
Device Manager	Management methods	Unified management by head-end OLT through the OAM protocol, supporting SNMP, TELNET, and local management
	Management function	Status monitoring, configuration management, alarm management, log management
Status indication	Indicator	<p>PWR: Power indication</p> <p>OPTIN: Optical signal indicator</p> <p>LINK: Registration instructions</p> <p>The LAN1 ~ 4: The network port state</p>
Physical properties	Shell	White plastic housing
	Power and power consumption	<p>External 12VDC power adapter</p> <p>Power consumption: $<4W$</p>
	Size, weight	Equipment Dimensions: 162mm (L) x 118mm (W)

		x 35mm (H) Packing size: 220mm (L) x 148mm (W) x 56mm (H) Net weight: 0.2kg With packaging weight: 0.4kg
	Environmental parameters	Operating temperature: 0 ~ 50 ° C Storage Temperature: -40 ~ 85 Operating Humidity: 10% ~ 90% non-condensing Storage Humidity: 5% ~ 95% non-condensing

Typical applications

- 2 Typical access solutions: FTTH, FTTB and PON + EOC
- 2 Typical business: broadband Internet, IPTV, VOD, video on demand, video surveillance

