HA7004T Pizza Box 4PON OLT

Overview

HA7004T is a small standalone type 4 SFP PON ports OLT. HA7004T works with HA7200

series ONU and ODN, to establish a passive optic network. The whole system supports

4-PON, 256 ONUs.

HA7004T applies to counties, towns and villages fiber network access. It is also applied to

FTTH/FTTB/FTTO projects, for IP phone, Ethernet data and IPTV services access. It

supports WEB management. HA7004T meets China Telecom EPON standards.

Feature

- Supply 4 SFP PON ports, 4 1000M RJ45 uplink ports

- Each PON port support 1:64 split ratio, total 256 ONUs access

- Distance can reach 20km under 1:32 split ratio, 10km under 1:64

- Support WEB management,SNMP and CLI.

- With wall mount, available to hang on 1U rack design,

- inside fan, better for heat dissipating and reliability operating

- Apply for town,village fiber network and surveillance, apply for FTTX network, to

  transmit IP phone, data,IPTV and other IP services access

Application

1000M point to multi-point optic passive network

Technical Specification

Parameter	Specification
Operating wavelength	1310(RX) /1490(TX)
Optical power	+2.5 ~ +7dBm
Receiving sensitivity	-30dBm
Max distance	20km
Max splitter ratio	1:64
Capacity	4 PON, maximum 256pcs ONU
MAC	8k
Uplink port	4 TP ports 10/100/1000M
PON port	4 SFP PON ports
Control port	1 10/100M MGMT RJ45 port 1 Console(RJ45), to debug the device
MTBF	100,000 hours
EPON traits	Support IEEE802.3ah
	Support DBA with minimum1Kbps granularity adjustable
	Support 1Gbps up link and down link symmetrical bandwidth
	Support AES-128 encryption to each Logical Link Identifier
	Support powerful OAM function, implement telnet management, maintenance and upgrade
	Support auto discovery and auto register of ONU (real-time operation)
Protocols supported	Support IEEE802.3、IEEE802.3u、IEEE802.3ab、IEEE802.3z
	Support IEEE802.1Q VLAN、IEEE802.1d Spanning Tree
	Support IEEE 802.1P QoS、IEEE802.3X Flow Control
	Support IEEE802.3ad Trunk、IEEE802.1W RSTP
Network management	Support GUI management based on SNMP
	Support WEB and Telnet GUI management based on CLI
Other functions	Support 1GMPv1/v2 protocol report, query and leave message mouse
	Support ONU remote configure and upgrade
	Support real-time alarm detection, accurate fault location
	Support the alarm information sent to the mailbox, support SMS alarm

Working Environment

Parameter	Specification
Power	AC100~240V 50/60HZ, DC-48V
Power Consumption	20W
Operating temperature	-10—55 C
Storage temperature	-40—70 C
Humidity	5%--90% non-condensing
Dimension	276mm(length) * 160mm(width) * 44mm(height)