

FTTx EPON Solution >> ONT >> C501K

EPON ONT 1-port GE + EPON



Overview

C501K is Optical Network Terminal (ONT) based on EPON technology for home and the small office. It supports one Gigabit Ethernet port to provide high speed internet with desktop or laptop to subscribers. Also C501K provides seamless Video and Voice service to subscribers.

C501K delivers cost-effective and efficient triple play services to subscribers through PON access over single fiber core so that operator reduce the CAPEX and OPEX at lowest in fiber network technologies.

C501K supports the effective and efficient capabilities for administration, provisioning, and O&M which are essential for operator's service management.

Adopting the state-of-the-art technology, C501K supports various functions, superior to those of the existing Ethernet switch, including Quality of Service (QoS) function, management function that allows to take prompt actions against the problems in the system and a subscriber line, security function that secures subscriber information safely, and subscriber management function that secures a user's right from illegal users such as crackers.

Features

Key Features

- One Gigabit Ethernet port
- LD Shutdown Function (Automatic Shutdown Function)
- QoS Features
- Compliant with 1000BASE-PX10 according to YD/T 1475-2006-EPON.
- ONU queue priority: 4.
- Low Power consumption: Max. 5W

Specification

Item		Specification
Standard		IEEE802.3ah
System Structure	Type	Desk-Top
	Dimension(mm)	180(W) X 135(D) X 40(H)
Power		5V, 2A (External Power Adaptor)
Interface	PON Interface	1 1000Base-PX, 1 Core SMF

[DataSheet](#)

	User Interface	1 10/100/1000base-T (IEEE802.3u)	
Environment Condition		-Temp. : 0~50 °C, Humidity: 0~80% -EMI/EMC Class B compliant	
Function Performance	&	PON Function	-IEEE802.3ah MPCP, OAM Compliant -802.1Q VLAN -Per LLID Filtering/Classification -Supports up to four Logical Link IDs(LLID) -AES-128 Downstream decryption -Dying Gasp
		L2 Function	IEEE802Q (VLAN)
		Multicasting	IGMP snooping
		QoS	-IEEE802.1P -Packet classification and marking (802.1P) -Rate limiting
		Security filtering	& -MAC address limiting
System Operation & Maintenance		Diagnosis OAM Remote Loop-back test	
Physical Characteristics	Optical	-Distance : 10km	
	Characteristics	-Transmit Quality : BER10-10 or less	
	Dielectric Resistance	100Mohm or higher (Based on DC 500V)	