Product Description

ARN3004-2T-E economical and high performance EPON OLT is a 1U standard rack-mounted equipment complying with IEEE802.3ah, YD / T 1475-2006 and CTC 2.0 、 2.1 and 3.0.It has flexible, easy to deploy, small size, high performance and other characteristics. The product is particularly suitable for residential broadband fiber access (FTTx), telephone and television, the power consumption information collection, video surveillance, networking, private network applications and other applications.

ARN3004-2T-E has 4 PON ports, 8 uplink ports (4*GE copper RJ45 ethernet ports, 2*GE(SFP)+2*10GE). Each of PON port supports up to 64 ONUs, the whole device supports up to 256 ONUs. Small size OLT, easy to install, convenient, flexible and easy to deploy high performance broadband access network. It is appropriate to be deployed in compact room environment. The OLTs can also be used for "Triple-Play" applications.

ARN3004-2T-E
4 PON Ports EPON OLT

Features

1U 19 inch standard box EPON OLT with 4 PON ports

Compliant with IEEE802.3ah YD/T1475-2006—EPON and China Telecom EPON Technical Requirements

QoS based on port, VID, TOS and MAC address(32K Mac address)

Support priority queue scheduling, support SP, WRR or SP + WRR scheduling algorithm

Support 4096 VLAN, transparent transmission and conversion, support VLAN stacking (QinQ)

Support 32K MAC's line speed learning and aging, support MAC address restriction

Support IEEE 802.1d (STP), 802.1w (RSTP) and MSTP Spanning Tree Protocol

Support multicast Groups, IGMP v1/v2 snooping and IGMP Proxy

Support port-based rate limitation and bandwidth control

Support PON line AES and triple churing encryption

Support Dynamic Bandwidth Allocation (DBA)

Support ONU auto-MAC binding and filtering, support the ONU offline business

configuration and automatically configure, manual/auto authentication

Support the use of the ACL rules for packet filtering

Support SNMP, telnet, CLI, OAM and Web management

Provide logs, alarms and performance statistics

Support remote software upgrade

Technical parameters

Items	Unit	Specifications
PON standard.		EPON IEEE802.3ah
PON interface		4*EPON SFP Ports (PX20+), Receiving sensitivity: ≤ -30dBm(Saturation Optical -6dBm). Power, Transmitting optical power: +2～+7dBm Transmission distance: 20KM. Max splitting ratio1:64
	Speed	Upstream 1.25G Downstream 1.25G
Wavelength	nm	Tx1310, Rx 1490
Uplink	GE	4*copper ethernet ports 10/100/1000M auto-negotiation
	SFP	2*10GE+2GE/4*GE SFP
Management Ports		1*10/100BASE-T out-band port, 1*CONSOLE port
Backplane	Gbps	128
MAC table	K	32
Spanning Tree protocol		Support IEEE 802.1d (STP), 802.1w (RSTP) spanning tree protocols
QoS		Support 802.1p priority queue scheduling Support SPWRR and SP+WRR scheduling algorithms
Operating condition	℃	Operating temp: -5 ~ +55
Storing condition	℃	Storing temp: -40 ~ +85
Humidity	%	5~90(non-condensing)
Power consumption	W	≤30
Dimension	mm	440mm×300mm×44mm（L×W×H）
Net weight	Kg	4.6Kg

Shipping packaging

Description	Quantity	Weight	Carton Size
Shipping packaging	1pcs /ctn	4.6kg/ctn	630*440*140mm