

Smart WiFi ONU with 4 100M ports

Model: EPU1704-4F Series



Product Profile

DIBSYS EPU1704-4F is a new generation smart WiFi ONU with 4 100M ports for integrated multi-service networks. It is complied with the international standard IEEE 802.3ah and YD/T 1475-2006 and China Telecom EPON Technical Requirement CTC. It widely applied to the broadcast/electrical bidirectional network, FTTH/FTTO/FTTB.

Features

Excellent Access Capacity

It supports the symmetric uplink/downlink 1Gbps PON transmission rate. Connected with DIBSYS OLTs, it can realize 1:64 splitting ratio. The covering radius of the network can reach to 20km.

Secure Service Carrying Ability

For ensuring the secure service carrying ability of ONU, DIBSYS has developed techniques including VLAN, STP, port isolation, ACL, QoS and Broadcast Storm Control.

High Service Control Capability

It supports DBA and Rate-Limit. It supports advanced dynamic bandwidth distribution and accurate bandwidth limit, which enables users to share 1 Gbps bandwidth resource appropriately. It also supports QOS function, which guarantees a reliable service quality and service priority.

Rich OAM Functions

It supports the standard OAM and extended OAM defined by CTC2.1/3.0, including configuration, alarm, performance monitoring, fault isolation and security management. And it also supports private OAM defined by DIBSYS.

Complete Interaction Capacity

It is complied with the international standard IEEE802.3ah and relevant requirements for and PRC Community Industry Standard (YD/T 1475-2006).

Advanced Energy-saving Technique

It supports the “GreenTouch” architecture and “Smart@CHIP”.

Technical Specifications

Attributes	
	DIBSYS EPU1704-4F
User trial interface	
	4 fixed 10/100M BASE-T auto-adaptation RJ45 interfaces
PON interface	
	Uplink/downlink 1Gbps The network covering radius: 20km Type of the optical interface: SC/UPC Hi-sensible optical receiver: -27dBm Radiation power: 0~4dBm Security: ONU authentication mechanism
Standards	
	IEEE802.3ah YD/T 1475-2006 IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.1w, RSTP ITU-T Y.1291
VLAN	
	Supports 64 VLANs (1~4094) Port-based VLAN IEEE 802.1Q VLAN CTC2.1/3.0 defined VLAN
Multicast	
	IGMP-Snooping CTC defined dynamic multicast MLD-Snooping
WiFi	

	802.11b/g/n MIMO, max rate up to 300Mbps
QoS	
	Backpressure flow control (half duplex) IEEE 802.3x flow control (full duplex) Head Of Line (HOL) mechanism IEEE 802.1p, CoS Four priority queues on each port WR, SP and FIFO Rate limit
Reliability	
	Loop detect Dying-Gasp
Security	
	Limitation to the number of MAC addresses on the port Port protection Port storm control
Management	
	CLI, Web, SNMP and TELNET Software upgrade through TFTP and WEB Local syslog or server syslog
Dimensions mm (W×D×H)	
	140 x 105 x 33mm
	Installation: plug and play
Heat dissipation	
	Supports long-time use (For instance, 24 hours); The device running hot will not affect its performance or cause it break down.
Environment requirements	
	Operating environment: 0°C~45°C; 10%~85% non-condensation
	Storage environment: -40°C~80°C; 5%~95% non-condensation

Power supply	
	DC12V/1A (external adaptor power supply)
Power consumption	
	<8W

Contact us 

Email: sales@dibvision.com
Website: www.dibvision.com
Tel: +86 571 8971 4581
Fax: +86 571 8971 4580
Skype: dibdvb