

OLT EPON 16 PON

BDCOM

P3616-2TE

High-density Pizza-box EPON OLT



DESCRIPCION

OLT EPON
16 PON

MODELO

P3616-2TE

CODIGO WT

4281368

Casa Central

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1 - CARACTERISTICAS

OLT con 16 puertos EPON

- ❖ 1 puerto de consola,
- ❖ 1 puerto de administración fuera de banda 10 / 100M,
- ❖ 16 puertos PON integrados (excluyendo el módulo OLT SFP),
- ❖ 4 puertos combinados GE TX / SFP, 4 puertos GE SFP;
- ❖ 1 fuente de alimentación de 90/240VCA, expansible a fuente de alimentación doble,
- ❖ Montaje en bastidor de 19-pulgadas.
- ❖ 2 puertos 10GE SFP +

Standards

- IEEE802.3ah
- YD-T 1475-2006 access network requires EPON basis
- YD-T 1771-2008 access network requires EPON intercommunication
- China Telecom EPON standard CTC21/3.0
- Ethernet – II

VLAN

- Port/IP/Protocol/MAC-based VLAN
- 4K VLAN
- QinQ and flexible QinQ

Multicast

- L2 multicast
- IGMP snooping
- MLD snooping
- Fast-leave

Layer 3 Function

- Static route
- RIPv1/v2
- OSPF

QoS

- Backpressure flow control (half duplex)
- IEEE 802.3x flow control (full duplex)
- IEEE 802.1p, CoS
- WRR, SP and FIFO queue schedule
- Limiting the uplink/downlink rate based on each ONU
- DBA and SLA

Reliability

- Unidirectional Link Detection (UDLD)
- Hot swap of the EPON optical module
- Optical path protection of EPON (type B/C, hand-in-hand)
- Abnormal luminescence ONU detection such as long luminescence
- IEEE 802.3ad LACP

DHCP Function

- Server/Relay/Client
- DHCP snooping
- DHCP option 66,67,82
- DAI
- IP source guard

Network Security

- L2-4 ACL
- Flow-based ACL
- MAC limitation
- MAC sticky
- Port isolation
- Packet storm control
- Transmission data encryption on the PON interface
- Anti attack for DDOS, TCP-SYN-flood, UDP-flood, ARP-flood, etc.

Management

- CLI, Telnet, SSH, HTTP/HTTPS and SNMP
- ISSU
- FTP/TFTP
- SPAN
- NTP

Network Availability

- STP/RSTP/MSTP
- BPDU guard
- EAPS

2 – ESPECIFICACIONES

Item	P3608B	P3616-2TE
Service interface		
PON ports	8	16
GE uplink	4 100/1000M SFP + 4 GE TX/SFP	4 100/1000M SFP + 4 GE TX/SFP
10GE uplink	2 10GE/GE SFP+	2 10GE/GE SFP+
Supported GPON SFP module	PX20, PX20+, PX20++	PX20, PX20+, PX20++
Management interface		
RJ45 console	1	1
Mini-USB console	1	1
Out-of-Band	1	1
System capacity		
DRAM (MB)	512	256
Flash (MB)	32	32
Backplane (Gbps)	72	88
MAC table	32K	32K
IPv4 routing table	32K	12K
IPv6 routing table	8K	6K
Buffer size (MB)	3	2
Jumbo frame (KB)	2	2
Active VLAN	4,094	4,094
Total SVI	400	400
Forwarding mode	Store-and-forward	Store-and-forward

3 – CARACTERÍSTICAS FÍSICAS

Item	P3608B	P3616-2TE	
Power supply			
AC (V)	90 - 264	90 - 264	
DC (V)	36-72	36-72	
Power slots	2	2	
Hot-swap	Support	Support	
Max. consumption (W)	70	105	
Total output BTU (note: 1000 BTU/hr = 293W)	256	439.3	
Cooling system			
Fan number	2	2	
Air-flow	Left-right	Left-right	
Noise@25°C(dBA)	< 45	< 45	
Appearance			
Chassis	Dimensions(WxDxH mm)	442.5 x300 x 44	442.5 x300 x 44
	Weight (Kg)(empty)	5	5.7
Package	Dimensions(WxDxH mm)	576 x 448 x 94	576 x 448 x 94
	Weight (Kg)	5.9	6.6
Environmental specifications			
Operating	Temperature	0-45°C	0-45°C
	Humidity (non-condensing)	10%-85%	10%-85%
Storage	Temperature	-40°C-80°C	-40°C-80°C
	Humidity (non-condensing)	5%-95%	5%-95%
Accessories			
Parts	Power cord, rackmount kits, console cable	Power cord, rackmount kits, console cable	
Reliability			
MTBF (Hr)	95,000	90,000	
Certification	CE, FCC, ROHS	CE, FCC, ROHS	