

DB-CMTS8310 Three in One Mini-CMTS



Overview

DB-CMTS8310 is half power MiniCMTS(Mini-CMTS), including optical receiver module, ONU module and C-DOCSIS module. Installed at node to realize integrated solution. C-DOCSIS module strictly conform to the requirement of C-DOCSIS standard, adopt mature optical receiver module and ONU module,more reliable and stable. The three modules are independent with each other, which can realize on-site replacement and is convenient for maintenance.

DB-CMTS8310 offers 16 downstream bonded channels (up to 800Mbps) and 2 upstream bonded channels (up to 80Mbps upstream) so that 880Mbps broadband access can be achieved. Support 511pcs Cable Modem on line simultaneously; fully compatible with DOCSIS2.0 and DOCSIS3.0.

MiniCMTS 8 advantages:

1. High standardized MiniCMTS series product fully compatible of DOCSIS standard, also can compatible with DOCSIS2.0/DOCSIS3.0 CableModem.
2. High Qos guarantee DOCSIS can offer the high request of Qos quarantee, depend to fulfill the business of Voicing Qos request.
3. Achieve OLT and MTCS unified management. It is no need setting for installation and replacement. The equipumt can auto complete configuration process when power up.
4. 3 in 1 product, integrated solution. To meet the individual needs of customers optional built-in optical receiver module, ONU module, IPQAM module.Realize optical node integrated type solution
5. Perfect web management. B/S frame,graphical interfaces,fault alarm,convenient operation and maintenance.
6. Low cost: The transforming cost is almost 30%- 50% than big CMTS , equal to EPON+EOC.

Feature

1. Suitable for smaller node covering, high performance-price ratio;
2. 2 RF output, the max.output power is 106dbuv;
3. Lower power design can decrease the power consumption of whole unit;
4. ONU and optical receiver are optional
5. Support to extend IPQAM inside

Parameter

	Item	Specifications
MiniCMTS	Downstream	QAM modulation mode : Annex A,B,C
		QAM modulation : 64QAM,256QAM
		Downstream channel : 16
		max.speed : 800Mbps
		Frequency range : 87Mhz-1000Mhz
		Channel bandwidth : 8Mhz/6Mhz
	Upstream	Upstream modulation : QPSK,16QAM,64QAM
		Upstream channels : 2
		Max.speed : 80Mbps
		Frequency range : 5Mhz-65Mhz
		Output power : -13dbmv - 23dbmv
	Other function	Max.cable modem amount : 511
		max.CPE amount : 2000
		Dynamic load balanced : support
		DHCP Relay : support
Qos : support		
Manage mode : WEB,CLI,Telnet,SSH,NMS etc		
ONU	PON	Symmetrical upstream & downstream delivery 1Gbps
		Optical interface : SC/PC
		Optical receiver: more than -26dBm
		Power : 2-7dBm
		safety: ONU certificated
	VLAN	VLAN based on port
		IEEE 802.1Q VLAN
	Service quality	Backpressure flow control (half-duplex)
		IEEE 802.3x flow control (full-duplex)
Others	RF output	Output impedance : 75Ω
		Out of band rejection:>50db
		MER:>42db
		Max.output power:110dbuV
		Output connectors:4

	Working condition	Power supply:220V/60V, power < 36W
		Working temperature : -25°C-75°C; Relative humidity : 10%-90%
		Dimension:385×350×162mm

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