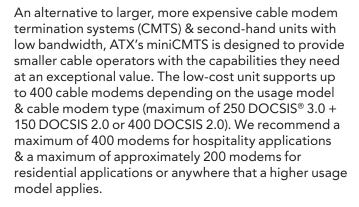




miniCMTS200a

Mini Cable Modem Termination System



The miniCMTS offers 16 downstream bonded channels for up to 800 Mbps downstream /120 Mbps upstream data delivery. In a residential setting with 200 modems, this data rate provides for a 4 Mbps uncontended Internet connection per subscriber.

Specifications

DOWNSTREAM CHANNEL	
QAM MODULATION MODE	Annex A, B
QAM MODULATION	64 QAM, 256 QAM
DATA RATE	36 Mbps @ 64 QAM, 50 Mbps @ 256 QAM
DOWNSTREAM CHANNEL QUANTITY	16-channel
DOWNSTREAM MAX. SPEED	800 Mpbs
FREQUENCY RANGE	87-1000 MHz
CHANNEL BANDWIDTH	8 MHz/6 MHz
OUTPUT POWER	49 dBmV (8-channel) 45 dBmV (16-channel)
POWER ADJUSTED RANGE	Adjusted 25 dB, Step Size 0.5 dB
PRE-EQUALIZED MER	42 dB
UPSTREAM CHANNEL	
UPSTREAM MODULATION	QFSK. 16 QAM, 64 QAM
DATA RATE	30 Mbps @ 64 QAM (6.4 MHz)



miniCMTS200a (front view)

Features

- Optimized for smaller cable operators
- Supports up to 400 DOCSIS cable modems
- Offers 16 downstream bonded channels
- Provides high-speed data delivery: 800 Mbps downstream & 120 Mbps upstream
- Features an intuitive web interface for simple configuration, management & debugging



UPSTREAM CHANNEL (cont'd)	
UPSTREAM CHANNEL QUANTITY	4-channel	
UPSTREAM MAX. RATE	120 Mbps	
INPUT FREQUENCY RANGE	5-65 MHz	
INPUT LEVEL RANGE	Bandwidth 6.4 MHz, -7 dBmV to 23 dBmV Bandwidth 3.2 MHz, -10 dBmV to 20 dBmV Bandwidth 1.6 MHz, -13 dBmV to 17 dBmV	
RF OUTPUT		
RF IN CONNECTOR (Upstream)	$1x$ F Connector, 75Ω	
RF OUT CONNECTOR (Downstream)	$1x$ F Connector, 75Ω	
PORT INSERT LOSS	< 4 dB	
PORT REFLECT LOSS	< -12 dB	
DATA PORT		
NET PORT RATE	10/100/1000 Mbps	
NET PORT TYPE	Managed Connector, 1x RJ45 Data Connector, 1x SFP & 1x RJ45	

Specifications (cont'd)

miniCMTS200a

COMMUNICATION INTERFACE (cont'd)		
COMMAND LINE INTERFACE (CLI)	RS232 Serial Port Telnet or SSH	
SNMPv2	DOCSIS MIBs	
OTHER FUNCTIONS		
MAX. CABLE MODEM AMOUNT	400 DOCSIS 2.0 400 (Max. 250 DOCSIS 3.0 + 150 DOCSIS 2.0)	
DYNAMIC LOAD BALANCED	Supported	
DHCP RELAY	Supported	
GENERAL		
OPERATING TEMPERATURE	-10°C to +50°C (+14°F to +122°F)	
HUMIDITY	10-90%	
POWER	< 35 Watts (without Optical Receiver) < 45 Watts (with Optical Receiver)	
POWER SUPPLY	220V/110V	
DIMENSIONS	1.75"H x 19.0"W x 16.0"D (4.45H x 48.26W x 40.6D cm)	

Ordering Information

Part Number	Description
miniCMTS200a	Mini Cable Modem Termination System
MCMTS-SF	One year annual support and service fee for miniCMTS200a

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