



## miniCMTS200a Mini Cable Modem Termination System

### DESCRIPTION

Pico Digital's miniCMTS supports up to 400 DOCSIS cable modems (max. 250 DOCSIS 3.0 + 150 DOCSIS 2.0 or 400 DOCSIS 2.0) and offers 16 downstream bonded channels giving a possible 800Mbps downstream data delivery and 120Mbps Upstream data delivery. The miniCMTS200a has an extensive web interface for configuration, management and debug.

To deploy services using the miniCMTS you need to be able to set the IP addresses and manage the subscribers, to do this a separate server is required, this can either be part of your existing back office infrastructure if you are deploying multiple miniCMTS's or a local server.



( Back Panel )

### SPECIFICATIONS

#### DOWNSTREAM CHANNEL

QAM Modulation Mode	Annex A, B
QAM Modulation	64QAM, 256QAM
Data Rate	36Mbps@64QAM, 50Mbps@256QAM
Downstream Channel Quantity	16 Channel
Downstream Max Speed	800Mbps
Frequency Range	87MHz - 1000MHz
Channel Bandwidth	8MHz/6MHz
Output Power	49dBmV (8CH) 45dBmV (16CH)
Power Adjusted Range	Adjusted 25dB Step Size 0.5dB
Pre-equalized MER	42dB

#### UPSTREAM CHANNEL

Upstream Modulation	QFSK, 16QAM, 64QAM
Data Rate	30Mbps@64QAM(6.4MHz)
Upstream Channel Quantity	4 Channel
Upstream Max Rate	120Mbps
Input Frequency Range	5MHz - 65MHz
Input Level Range	Bandwidth 6.4MHz, -7dBmV - 23dBmV Bandwidth 3.2MHz, -10dBmV - 20dBmV Bandwidth 16MHz, -13dBmV - 17dBmV

#### RF OUTPUT

RF IN Connector (Upstream)	(1) F connector, 75ohm
RF OUT Connector (Downstream)	(1) F connector, 75ohm
Port Insert Loss	<4dB
Port Reflect Loss	<-12dB

#### DATA PORT

Net Port Rate	10/100/1000Mbps
Net Port Type	Managed connector, 1 RJ45 Data connector, 1 SFP and 1 RJ45

#### COMMUNICATION INTERFACE

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

Temperature	-10~+50°C
Humidity	10% - 90%
Power	<35W(Without optical receiver), <45W(With optical receiver)
Power supply	220V/110V
Dimension	19"(L) x 16"(D) x 1.7" (H)

### ORDERING INFORMATION

miniCMTS200a Mini Cable Modem Termination System