



CMTS200A Mini Cable Modem Termination System

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 and 120 Mbps upstream
- Features an intuitive web interface for simple configuration, management, and debugging



An alternative to larger, more expensive cable modem termination systems (CMTS) and second-hand units with low bandwidth, Pico Digital's CMTS is designed to provide smaller cable operators with the capabilities they need at an exceptional value. The low-cost unit 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 for up to 800-Mbps downstream / 120-Mbps upstream data delivery. Ideal for providing high-speed data services to commercial residential properties and academic and medical facilities, as well as the hospitality industry, the CMTS200A features an extensive web interface for simple configuration, management, and debugging.

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 Ch Quantity	16 channel
Downstream Max Speed	800 Mbps
Frequency Range	87 MHz – 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 (6.4MHz)
Upstream Ch Quantity	4 channel
Upstream Max Rate	120 Mbps
Input Frequency Range	5 MHz – 65 MHz
Input Level Range	6.4 MHz, -7 dBmV – 23 dBmV 3.2 MHz, -10 dBmV – 20 dBmV 16 MHz, -13 dBmV – 17 dBmV

RF Output

RF Input (Upstream)	(1) F connector, 75 Ω
RF Output (Downstream)	(1) F connector, 75 Ω
Port Insert Loss	< 4 dB
Port Reflect Loss	< -12 dB

Data Port

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

Communication Interface

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

North American Cable Equipment Inc.

(800) 688-9282 www.northamericancable.com sales@northamericancable.com