miniCMTS200a  Mini Cable Modem Termination System

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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.

DESCRIPTION

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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**: DOCSIS MiB

**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)