

Most of the cable operators are looking for a highly competitive solution with a low capital expenditure and high average revenue per user to help them upgrade their existing unidirectional coaxial network to bidirectional transport.

Mini CMTS Headend

NL-600

The Mini CMTS NL-600 was designed to provide smaller cable operators with the capabilities they desire at an exceptional value. An ideal alternative to larger, more expensive cable modem termination systems (CMTS) and second-hand units with low bandwidth.

This low-cost unit is able to support up to 300 DOCSIS 3.0 cable modems online. It also offers 16 downstream bonded channels. Each of those will perform up to 800-Mbps downstream / 120-Mbps upstream data delivery. Which is ideal for providing high-speed data services to commercial, residential, academic, medical facilities, as well as the hospitality industry. The mini CMTS also comes with a very complete Web interface to manage, configure, and debug the device with ease.

FEATURES

- Offers an intuitive web interface for simple access and management of the device.
- Provides high-speed data delivery: 800 Mbps downstream and 120 Mbps upstream.
- Supports up to 300 DOCSIS 3.0 cable modems.
- Features 16 downstream bonded channels.
- Optimized for smaller cable operators.

WE IDENTIFY THE BEST TECHNOLOGIES TO FIT YOUR GOALS AND BUDGET. WE THEN ENSURE THOSE TECHNOLOGIES CONTINUE TO WORK WELL INTO THE FUTURE.

Technical specification

Product Dimensions (W x H x D)	432mm x 44.45mm x 317.5mm 17" x 1.75" x 12.5"
Product Weight	3Kg (6.6 lbs)
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20 to 80°C (-4°F to 176°F)
Operating Humidity	Up to 90%, non-condensing
Operating Voltage	90~250VA, 50/60Hz
Power Consumption	30 W(maximum)
Console Interface	Console Port
Link Encryption	DES Encryption
QAM Constellation	QPSK, 16QAM, 64QAM, 256QAM (Upstream) 64QAM, 256QAM, 1024QAM(Downstream)
Nominal Impedance	75Ω
Frequency Range	5MHz to 65MHz (Upstream) 65MHz to 1000MHz (Downstream)
Modulation	ATDMA, SCDMA
Channel Bandwidth	Annex A: 8MHz Annex B: 6MHz
Symbol Rate	1.28, 2.56, 5.12 Msys/s
Numbers of Channel	4 (Upstream) 16 (Downstream)
Bit rate Per Channel	Max. 40Mbps@256QAM (Upstream) Max. 50Mbps@1024QAM (Downstream)
Maximum Throughput	160Mbps (Upstream) 800Mbps (Downstream)
Receiver Power	-10 to 20dBmV(4 channels)
Transmitting Power	20 to 60dBmV
Numbers of User	500(maximum)
Numbers of User Online	300



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