C4-CMTS | C4 CMTS

Enables operators to offer world-class performance for advanced, carrier-grade voice, high-speed data, and IPTV services

- Meet bandwidth demands through unmatched CMTS efficiency, flexibility, quality, and performance
- Extend headend life while increasing CMTS capacity, reliability, and responsiveness
- Capture market opportunities with a CMTS providing best-in-class availability, performance, and scalability
- Achieve 99.999% availability with hitless fail-over of all major CMTS components
- Protect investment now for the future with DOCSIS 3.0
- eXtended Downstream Cable Access
- DOCSIS® 3.0 Multicast IP Video Support
- DOCSIS 3.0 Channel Bonding
- Routing Feature Additions

Cable operators require quality and reliability to compete in today's voice and data arena. The ARRIS C4 CMTS enables operators to offer world-class performance for advanced, carrier-grade voice, high-speed data, and IPTV services.

Highly-reliable C4 solutions reduce CAPEX with a highly economical cost-per-port and low operational cost. The C4 CMTS reduces OPEX and improves ROI with a compact footprint, low power consumption, and minimal cooling requirements which allow the unit to be placed in existing headends and hubs without build out or additional infrastructure, extending headend life and maximizing capital investment.

Designed with flexibility in mind, the C4 CMTS active components can be upgraded via software to stay current with changing service demands. The C4 CMTS provides operators tremendous flexibility of configuration and ease of operation while providing best-in-class reliability. Because the C4 CMTS offers full DOCSIS 3.0 upstream and downstream services including channel bonding, operators can configure and deliver high-speed and new convergent services efficiently, bringing increased revenue per customer and improved market responsiveness.

The C4 CMTS positions operators to operate more profitably and compete more effectively by satisfying subscriber and corporate demand for new services, higher speeds, and superior service quality.

Product Classification

Regional Availability	Asia | Australia/New Zealand | EMEA | Latin America | North America
Product Type	Cable modem termination system

General Specifications

RF Upstream Frequency Range (24U CAM)	5–85 MHz
RF Upstream Frequency Range (12U CAM)	5 - 65 MHz

Dimensions

Height	622.3 mm | 24.5 in
Width	441.96 mm | 17.4 in

Depth	508 mm | 20 in

Electrical Specifications

Frequency Resolution	< 1 KHz
Output Load Impedance	75 ohm
Power Consumption at Voltage, maximum	2,800 W @ -48 Vdc
RF Input Level	-16 to 29 dBmV
RF Downstream Modulation	256 QAM | 64 QAM
RF Downstream Data Rate, maximum	30.34 Mb/s to 55.62 per channel
RF Downstream Output Level	41 to 60 dBmV
RF Downstream Symbol Rate	5.361 Msym/s | 6.952 Msym/s
RF Downstream Bandwidth	6 MHz | 8 MHz
RF Upstream Modulation	16 QAM | 32 QAM | 64 QAM
RF Upstream Channel Type	ATDMA | TDMA | TDMA/ATDMA
RF Upstream Data Rate, maximum	30.72 Mb/s per channel

Environmental Specifications

Operating Temperature, long term	+5 °C to +40 °C (+41 °F to +104 °F)
Operating Temperature, short term	-5 °C to +55 °C (+23 °F to +131 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Operating Humidity	5%–85%

Packaging and Weights

Weight, net	80.739 kg | 178 lb