C4C-CMTS | C4c CMTS

Compact-chassis CMTS which enables operators cost-effectively deploy full-featured DOCSIS 3.0-based services

- Deploy industry-leading DOCSIS 3.0 services rapidly and cost-effectively in small markets
- Upgrade to unmatched compact CMTS flexibility, value and performance
- Enhance services, improve reliability, and upgrade CMTS capacity by adding a C4c CMTS
- Raise subscriber retention and satisfaction with carrier-class reliability, quality, and performance
- Profitably serve the expanding market for VPN and other corporate services
- Higher density CAM for more downstream channels per C4c CMTS and per service group
- DOCSIS® 3.0 Multicast IP Video Support
- DOCSIS 3.0 Channel Bonding
- Routing Feature Additions: Policy Based Routing and IPv6 Support Phase 3

With the ARRIS C4c compact-chassis CMTS, operators cost-effectively deploy full-featured DOCSIS 3.0-based services into space-constrained head-ends and small -to -medium-size systems. The C4c CMTS is also an ideal choice for MSOs rolling out services incrementally, where the capacity and cost of a full-scale CMTS is not required. For rapid deployment, scalability, and flexible management of DOCSIS 3.0 functions, no competitor's compact-chassis CMTS can match the C4c CMTS.

C4c solutions scale robustly to 10,000 subscriber devices and efficiently support a wide variety of popular and emerging voice and data services. Operators can quickly and profitably respond to subscriber and corporate demand for DOCSIS 3.0 value-added services, IPTV, emerging convergent services, and higher data speeds services that command premium prices and satisfy top-tier customers.

Based upon industry-leading ARRIS engineering, the C4c CMTS delivers high port densities, low power consumption, and a small footprint. C4c solutions reduce CAPEX and OPEX through extended head-end life, reduced power and cooling requirements, improved network performance, enhanced reliability, and expanded capacity. The C4c CMTS uses the same software and RF and routing blades of the industry-leading ARRIS C4 CMTS and offers the same superb manageability, capability, and customer-pleasing quality of service.

The ARRIS C4c™ CMTS Release 7.4 is a compact DOCSIS® 3.0 CMTS based on the proven hardware and software of the larger C4® CMTS solution. It allows an operator to cost-effectively deploy DOCSIS, PacketCable™, DSG/ADSG, and PacketCable Multimedia (PCMM™) services in small-to-medium size headends where space and power are often limited. The ARRIS C4c CMTS supports DOCSIS 1.1/2.0/3.0 and PacketCable features, providing operators with a large array of Quality of Service capabilities to deploy revenue-generating services.

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	311.15 mm | 12.25 in
Width	458.47 mm | 18.05 in

Depth	571.5 mm | 22.5 in

Electrical Specifications

Frequency Resolution	< 1 KHz
Output Load Impedance	75 ohm
Power Consumption at Voltage, nominal	1,000 W @ 115 Vac | 900 W @ -48 Vdc
Power Consumption at Voltage, maximum	1,200 W @ -48 Vdc | 1,350 W @ 115 Vac
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	52.707 kg | 116.2 lb