



C4[®] and C4c[™] CMTS 16 Downstream Cable Access Module (16D CAM) Technical Specifications

Specifications

RF Downstream

Frequency Range (MHz)	91 to 999 (DOCSIS [®] 3.0); 112 to 999 (EuroDOCSIS [™] 3.0)
Modulation (QAM)	64, 256
Data Rate (Mbps) (Max.)	30.34 to 55.62 per channel
RF Output Level (dBmV)	41 to 60
Typical Modulation Error Ratio (MER) (dB)	47
Symbol Rate (Msym/sec)	5.361 (DOCSIS); 6.952 (EuroDOCSIS)
Bandwidth (MHz)	6 (DOCSIS), 8 (EuroDOCSIS)
Output (load) impedance (ohms)	75

Physical

Power	-48 VDC (-44 to -72 VDC)
Power Consumption:	
Classic Rev G	139 W max at -48 VDC, 77°F (25°C)
Optimized	136 W max at -48 VDC, 77°F (25°C)
Operating Temperature:	
Short Term °F (°C)	+23 to +131 (-5 to +55)
Long Term °F (°C)	+41 to +104 (+5 to +40)
Storage Temperature °F (°C)	-40 to +158 (-40 to +70)
Operating Humidity (Min.-Max.)	5 to 85% (Non condensing)
Dimensions (H x W x D) in. (cm)	15.8 x 0.8 x 15.0 (40.0 x 1.9 x 38.1)
Weight lbs. (kg)	approx 4 (1.8)

Support with Software Release 7.4

16D CAM (Annex A or Annex B)	PIM-SSM, IGMPv2, and static multicast
4-4-4-4 Channels per F Connector	RIPv2 (RFC 1723), OSPFv2 (RFC 2328)
IPv6 Phase 3	IS-IS, BGPv4
Cable Source Verify with DHCP Lease Query	PacketCable [™] Multimedia Support
Route Injection (RI) for DHCPv6 Prefix Delegation	Dynamic Cable Modem Load Balancing
OSPFv3	SII Lawful Intercept (RFC 3924)
DOCSIS 3.0 Multicast IP Video Support (via IGMPv3 Control)	In-chassis Mixed Annex A & Annex B support
Policy-Based Routing	802.1Q VLAN tagging
Cross-MAC Domain Dynamic Load Balancing	Extended ACLs & Named ACLs
Additional Classifier Support (for MGPI applications)	Secure Shell v2 (SSHv2)
DOCSIS 3.0 Eight Channel Bonding (Downstream)	DOCSIS Ping
DOCSIS 3.0 Four Channel Bonding (Upstream)	ARP Abuse Counts
BSoD L2 VPN	DHCP Relay Agent (Option 82)
BPI+ Enforce	DNS Client
IPDR/SP	TFTP Enforce and Dynamic MIC
Integrated Upstream Agility	

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ARRIS Technical Specifications

Ordering Information

Part Number	Description
16D CAM Kits	
722928	Classic 16D DOCSIS/EuroDOCSIS CAM Kit (Active): 1 x 16D CAM, PIC, and SW for C4 CMTS
789513	Classic 16D DOCSIS/EuroDOCSIS CAM Kit (Spare): 1 x 16D CAM, PIC, and SW for C4 CMTS
794040	Optimized 16D DOCSIS/EuroDOCSIS CAM Kit (Active): 1 x 16D CAM, PIC, and SW for C4 CMTS
794043	Optimized 16D DOCSIS/EuroDOCSIS CAM Kit (Spare): 1 x 16D CAM, PIC, and SW for C4 CMTS
790540	Classic 16D DOCSIS/EuroDOCSIS CAM Kit (Active): 1 x 16D CAM, PIC, and SW for C4c CMTS
794046	Optimized 16D DOCSIS/EuroDOCSIS CAM Kit (Active): 1 x 16D CAM, PIC, and SW for C4c CMTS
XD Field Software Upgrade	
793929	Upgrade 16D to 24D EuroDOCSIS CAM – License Key for C4 CMTS Field Upgrade
793930	Upgrade 16D to 32D DOCSIS CAM – License Key for C4 CMTS Field Upgrade
793979	Upgrade 16D to 24D EuroDOCSIS CAM – License Key for C4c CMTS Field Upgrade
793980	Upgrade 16D to 32D DOCSIS CAM – License Key for C4c CMTS Field Upgrade
Maintenance Plan (required)	
708387	Software Maintenance – Phone Plus Gold

Specifications are subject to change without notice.

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