

C4[®] and C4c[™] CMTS eXtended Downstream Cable Access Module (XD 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	140 W max at -48 VDC, 77°F (25°C)	
Optimized	137 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 (MinMax.)	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	
XD CAM (32D Annex B, 24D Anne 8-8-8-8 Channels per F Connec	5	ted Upstream Agility M, IGMPv2, and static multicast

3-8-8-8 Channels per Lonnector (Annex B) 8-4-8-4 Channels per F Connector (Annex A) IPv6 Phase 3 Cable Source Verify with DHCP Lease Query Route Injection (RI) for DHCPv6 Prefix Delegation OSPFv3 DOCSIS 3.0 Multicast IP Video Support (via IGMPv3 Control) Policy-Based Routing Cross-MAC Domain Dynamic Load Balancing Additional Classifier Support (for MGPI applications) DOCSIS 3.0 Eight Channel Bonding (Downstream) DOCSIS 3.0 Four Channel Bonding (Upstream) BSoD L2 VPN **BPI+ Enforce** IPDR/SP

Integrated Upstream Agility PIM-SSM, IGMPv2, and static multicast RIPv2 (RFC 1723), OSPFv2 (RFC 2328) IS-IS, BGPv4 PacketCable™ Multimedia Support Dynamic Cable Modem Load Balancing SII Lawful Intercept (RFC 3924) In-chassis Mixed Annex A & Annex B support 802.1Q VLAN tagging Extended ACLs & Named ACLs Secure Shell v2 (SSHv2) DOCSIS Ping ARP Abuse Counts DHCP Relay Agent (Option 82) DNS Client TFTP Enforce and Dynamic MIC

Technical Specification

Continued on the next page...

ARRIS Technical Specifications

Ordering Information

Part Number	Description	
XD CAM Kits		
790565	Classic 24D EuroDOCSIS CAM Kit (Active): 1 x 24D CAM, PIC, and SW for C4 CMTS	
790566	Classic 24D EuroDOCSIS CAM Kit (Spare): 1 x 24D CAM, CAM PIC, and SW for C4 CMTS	
790567	Classic 32D DOCSIS CAM Kit (Active): 1 x 32D CAM, PIC, and SW for C4 CMTS	
790568	Classic 32D DOCSIS CAM Kit (Spare): 1 x 32D CAM, PIC, and SW for C4 CMTS	
793977	Classic 24D EuroDOCSIS CAM Kit (Active): 1 x 24D CAM, PIC, and SW for C4c CMTS	
793978	Classic 32D DOCSIS CAM Kit (Active): 1 x 32D CAM, PIC, and SW for C4c CMTS	
794041	Optimized 24D EuroDOCSIS CAM Kit (Active): 1 x 24D CAM, PIC, and SW for C4 CMTS	
794044	Optimized 24D EuroDOCSIS CAM Kit (Spare): 1 x 24D CAM, CAM PIC, and SW for C4 CMTS	
794042	Optimized 32D DOCSIS CAM Kit (Active): 1 x 32D CAM, PIC, and SW for C4 CMTS	
794045	Optimized 32D DOCSIS CAM Kit (Spare): 1 x 32D CAM, PIC, and SW for C4 CMTS	
794048	Optimized 24D EuroDOCSIS CAM Kit (Active): 1 x 24D CAM, PIC, and SW for C4c CMTS	
794047	Optimized 32D DOCSIS CAM Kit (Active): 1 x 32D 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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