

COMMSCOPE DCAM

DOWNSTREAM CABLE ACCESS MODULE FOR THE E6000



SPECIFICATIONS

RF DOWNSTREAM	
Frequency Range (MHz)	57 to 999 (DOCSIS® 3.0); 90 to 1002 (EuroDOCSIS™ 3.0)
Modulation (QAM)	64, 256 (256 Only in Release 1.0)
Data Rate (Mbps) (Max.)	30.34 to 55.62 per channel (42.89 to 55.62 in Release 1.0)
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 (-40 to -72 VDC)
Power Consumption:	325 W nominal and TBD 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)	13.8 x 1.2 x 17.8 (35.0 x 3.0 x 45.3)
Weight lbs. (kg)	approx 5.3 (2.4)
SUPPORT WITH SOFTWARE RELEASE 1.0 (PARTIAL FEATURE LISTING)	
DCAM	8 RF (F-Connectors) per Physical Interface Card (PIC) 128 Channels (Annex A or Annex B) Hardware capacity for 256 channels Max 16 Channels per RF connector Up to 7+1 RF Sparing in Rel. 1.0
IPv6 Features	Cable modem management Dual-Stack CPE IS-IS Routing with Multi-topology support Cable Source Verify with DHCP Lease Query Route Injection (RI) for DHCPv6 Prefix Delegation OSPFv3 Prefix Stability Distribute Lists TFTP Enforce / Dynamic Shared Secret DS and US Subscriber Management Filters
DOCSIS 3.0 Multicast IP Video Support (via IGMPv3 Control)	Policy-Based Routing DOCSIS 3.0 24 Channel Bonding (Downstream) DOCSIS 3.0 Four Channel Bonding (Upstream) IS-IS, BGPv4 PacketCable™ Multimedia Support Dynamic Cable Modem Load Balancing SII Lawful Intercept (RFC 3924) 802.1Q VLAN tagging Extended ACLs & Named ACLs Secure Shell v2 (SSHv2) DOCSIS Ping DHCP Relay Agent (Option 82) DNS Client TFTP Enforce and Dynamic Shared Secret BSoD L2 VPN BPI+ Enforce IPDR/SP

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
DCAM Kits	
801025	E6000 CER 128 DS DCAM Kit (Active) - 1 DCAM, Active DCAM PIC, and 128 DOCSIS DS Licenses
801021	E6000 CER 128 DS DCAM Kit (Spare) - 1 DCAM, Spare CAM PIC, and 128 DOCSIS DS Licenses
802117	E6000 CER 128 DS DCAM Kit (Active) - 1 DCAM, Active DCAM PIC, and 128 EuroDOCSIS DS Licenses
802118	E6000 CER 128 DS DCAM Kit (Spare) - 1 DCAM, Spare DCAM PIC, and 128 EuroDOCSIS DS Licenses
801169	E6000 Software Maintenance – Phone Plus Gold