

ARRIS RSM

ROUTER SYSTEM MODULE FOR THE E6000



SPECIFICATIONS

INSTALLATION ENVIRONMENT	
Management Interfaces	10/100/1000 Mbps Ethernet (RJ-45) plus Console (serial port, RJ45)
Network-side Interfaces	10 Gigabit Ethernet (SFP+) auto-baud, eight per module
Connector Access	NSI Ethernet ports via front of chassis, management ports via rear (RSM PIC)
MANAGEMENT ACCESS	
In-band Management with Access Control Lists via any NSI port	
Out-of-Band Management via dedicated Ethernet port on RSM PIC	
Console (serial) port on RSM PIC	
FUTURE CAPABILITIES (NOT SUPPORTED IN RELEASE 1.0)	
Dedicated Ethernet interface on RPIC for Conditional Access System (CAS)	
Active and Stand-by DTI interfaces on RPIC	
PHYSICAL	
Power	-48 VDC (-40 to -72 VDC)
Power Consumption:	215 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)	5.1 (2.3)
SOFTWARE RELEASE 1.0 FEATURES (PARTIAL LIST)	
Downstream CAM (DCAM) (128D Annex A or B)	8 RF (F Connectors) per Physical Interface Card (PIC) 128 Channels Max 16 Channels per RF connector Up to 7+1 RF Sparing in Rel. 1.0
Upstream CAM (UCAM)	Flexible Mapping of Upstream Channels to RF Connectors Up to 12 Upstream Channels per RF Connector 24 RF (MCX) Connectors per Physical Interface Card (PIC) Up to 5+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
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 MIC BSoD L2 VPN BPI+ Enforce IPDR/SP
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ORDERING INFORMATION

PART NUMBER	DESCRIPTION
801023	E6000 CER Duplex Chassis Kit - Two RSMs, No CAMs, Release 1.x
801022	E6000 CER Simplex Chassis Kit - One RSM, No CAMs, Release 1.x
799012	E6000 CER Router System Module Kit - 1 RSM and RSM PIC
796836	E6000 CER Router System Module (796836)
796847	E6000 CER RPIC - Physical Interface Card for RSM (796847)