Specyfikacja Mediant 3000

Pojemność	Up to 2,016 channels in simplex or redundant configuration
Kodeki	High Definition Voice Codecs*: G.722, G.722.2 (Wideband AMR), G.729.1 (Wideband G.729), RTA-WB, SPEEX, SILK* Wireline: G.7 11, G.722*, G.723.1, G.726/7, G.729A/B, EG.711, MS GSM, iLBC* GSM/UMTS: GSM-FR, GSM EFR, AMR, AMR-WB* CDMA: EVR C1, EVRC-B1 Independent dynamic vocoder selection per channel (within each group) Not all coders can be used simultaneously
Kasowanie Echa	G.165 and G.168-2002 compliant, with 32, 64 or 128 ms tail length
Transport Fax i Modem	Fax/Modem Detection Control, T.38 (IP) compliant Group 3 & SG3 fallback to T.30, V.34 fax and modem bypass (automatic fallback to G.711) support
DTMF/MF	IP-side or PSTN-side detection and generation, RFC 4733 compliant DTMF relay De tection and Generation of Call Progress tones, Answer Machine Detection
Rozszerzenia funkcjonalne dla poprawy jakości	VAD, CNG, dynamic programmable jitter buffer, 802.1p/Q VLAN tagging, DiffServ
Sygnalizacja	
Dostęp PSTN	E1 ISDN: EuroISDN, QSIG, Australia, Hong Kong (HKT), Korea, France, New Zealand, INS-1500 (Japan), VN3, VN4, VN6 (France); T1 ISDN: NI2, 4ESS, 5ESS, DMS100;E1 CAS: MFC-R2 (multiple variants), T1 CAS: E&M, Ground Start, LoopStart; V5.2; IUA
PSTN Trunking	SS7/Sigtran: M3UA, M2UA, Redundancy (1+1), SS7 Tunneling
IP Transport	IPv4/IPv6, IETF RFC 3550, RFC 3551 RTP/IP Transport, TCP, UDP, RFC3267, RFC 3558 R TP/UDP/IP, Nb-IP (TS 29.415)
Protokoły sygnalizacyjne	MGCP (RFC 3435), TGCP (PacketCable), MEGACO (H.248, RFC 3015), SIP (RFC 326 1) IMS Mn - TS 29.332, IMS Mc (TS 29.232)
Bezpieczeństwo	IPSEC, IKE, SIP/TLS, HTTPS, SSH, SRTP1 and AES1, ARIA, RADIUS login Separation of OAM, Control and Media traffic is possible by using either different IP interfaces (available only on T1/E1 configuration) or VLANs
SIP IP - IP Mediation	SIP - SIP Normalization, Network Topology Hiding, Transcoding and Conversion, Signaling Translation, Multiple Service Provider Connectivity and Load Balancing, Redundancy between Servers/Softswitch, Survivability (SAS)
Maintenance	
Zarządzanie	AudioCodes Element Management System, SNMPv2, SNMPv3, CLI, Telnet, WEB, Microsoft System Center Operations Manager

	(SCOM), Remote configuration and software download via TFTP, HTTP, HTTPS, DHCP and BootP, Syslog
Utrzymanie	All shelf modules are hot swappable, including boards, power supplies, fans, and power entry modules
Redundancja	Power supply, fans: N+1 load shared Media gateway blades (including PSTN interfaces): 1+1 Optical int erfaces (PSTN): 1+1, APS protected

Specyfikacja sprzętowa	
Interfejsy	**PSTN:** 1 OC-3 or STM-1 APS optical links, 1 to 3 T3 (DS3) electrical links, up to 63/84 E1/T1 links **IP:** Dual Redundant 100/1000 Base-T/1000 Base-SX Ethernet ports and additional two Dual Redundant 100 Base-T Ethernet ports for OEM and Control(Available on the E1/T1 configuration only) **Clock Synchronization:** BITS/SETS (GR-1244 Stratum-3 and G.813 compliant), line synchronization (via STM-1/OC-3 link or DS1 trunk)
Moduły dodatkowe	4-slot, 2U cPCI chassis
Wymiary (HxWxD)	88 mm x 482.6 mm x 296.8 mm
Waga	Approx. 35.27 lb (16 kg), fully loaded
Montaż	Per EIA Standard RS-310-C in 19-inch rack specification
Zasilanie	48 V DC Dual Feed, with up to 2 DC Power modules, 100–240 V AC redundant Dual Feed
Chłodzenie	Replaceable fan tray & filter

Zgodność z przepisami	
Standardy telekomunikacyjne	FCC part 68, TBR4 and TBR13, Anatel
Bezpieczeństwo i EMC	• UL60950 • FCC part 15 Class A • CE Mark (EN55022 Class A, EN60950, EN55024, EN300 386)
Środowiskowe	NEBS Level 3: GR-63-Core, GR-1089-Core, Type 1 & 3, ETS300 019