



Kmedia 1600

8 to 16 E1s in only 2Us.



- 8 to 16 E1s
- 256 to 512 VoIP channels
- Increase by upgrade of software every 1 E1 and every 32 VoIP channels
- Default dimensioning 2Us for 19" rack
- Double energy source
- Measures: 88.9 (height) x 442 (width) x 406 mm (length)
- Weight: 9.1 kg

Features and Benefits:

Voice Processing Capacity:

- 1 SIP channel for each TDM channel, using universal codecs and echo canceling in all the channels.
- Voice Decodification
Universal codecs: G.711, G.723.1, G.726, G.729ab, T.38, clear mode (RFC 4040)
Additional codecs: G.722.2 (AMR-WB), G.728, G.729eg, iLBC, AMR, EVRC, GSM FR/EFR, QCELP
- Interfaces TDM (PSTN)
8 to 16 T1/E1 (software upgrade every 1 E1)
Independent configuration by port
Connectors RJ45 for link connection
- Interfaces VoIP
100/1000 Base-T with redundancy
Connectors RJ45





- Fax/Modem/Data
 - T.38 relay of fax (V.17 and V.34)
 - Automatic G.711 fallback
 - Modem and data pass-through
- DTMF relay
 - RFC 2833, SIP INFO Method, In-band
- Echo Canceling
 - Canceling of standardized echo standardized by ITU-T G.168
 - Canceling of echo of up to 128 ms in all the channels simultaneously
- Voice Processing
 - Dynamic and programmable Jitter Buffer (20 to 200 ms)
 - Voice Activity Detection (VAD)
 - Comfort Noise Generation (GNC)
- Management Interfaces
 - 100/1000 Base-T For operation, administration, maintenance and provisioning (OAMP)
 - Serial port

Signaling

Support for Simultaneous Signaling:

- SIP
 - Handles the following RFCs: 2327, 2833, 2976, 3204, 3261, 3262, 3263, 3264, 3311*, 3323*, 3325*, 3326, 3372*, 3389, 3398, 3515, 3551*, 3555*, 3578*, 3581, 3665*, 3666, 3764, 3891, 4028, 4694, 5806
 - (*parcial)
 - SIP-I/SIP-T
- SIGTRAN
 - M2PA, M2UA, M3UA, IUA
- SS7
 - Up to 64 x links MTP2
 - Multiple redundancy of links MTP2
 - Up to 64 MTP3 point codes of sources and targets
 - ISUP variants: ITU 92, ITU 97, ANSI 92, ANSI 95, Q.767, Telcordia, 97, Brasil (Brazil)
- ISDN PRI
 - Q.931 ISDN PRI: NI-2, 4ESS, 5ESS, DMS-100, DMS-250, Euro ISDN
- CAS
 - MFC R2 (default ITU, Brazil)
 - Customizable protocol script

Controle

- Standalone call control
- Any-to-any call routes (TDM for VoIP, TDM for TDM, VoIP for VoIP with transcoding)
- Call route control based upon: trunk group, calling/called, address of nature, ASR, time of day, loads, costs, TO:, FROM: Request URI, redirecting of numbers and other parameters
- Routing (tables with more than 100,000 routes, upload by files in Excel or CSV)





- Route-Retry - Attempts in other routes based upon answer times (Alert - Call Accepted) and prioritization of routes.
- Call Transfer (Refer)
- H.248 (MEGACO) call control
 - ITU-T H.248 versions 1 and 2
 - Transportation by UDP, SCTP, IPsec
 - Detection of DTMF and fax
 - Generation of DTMF tones
 - Alerts of quality and inactivity of calls
- Management of session and billing
 - Monitoring and availability of SIP customer
 - Monitoring of RTP inactivity
 - Generation of CDRs (RADIUS or text file)

OAMP+T

- Operation and Administration
 - Web system for operation
 - SNMP v2 GET, TRAPs and alarms
 - Dynamic configuration exchange
- Monitoring
 - Graphic channel occupation
 - Status of up and down of links and protocols
 - Viewing of status of SS7 by layers
 - Status of alignment of TDM channels
 - Quantity of calls made per period
- Maintenance
 - Web interface for maintenance
 - Automated upgrade system
 - Recovery and copy of configurations (Backup)
- Provisioning
 - Web interface for configuration
 - Dynamic activation of configuration
- Problem Solution
 - Tracing by call (history or real time)
 - Signaling pickup tools
 - SSH command-line

Electrical features

- Energy input
 - 90 to 260 VAC, 47 to 63 Hz (source AC)
 - 40 to -60 VDC (source DC)
 - Redundant source with 2 inputs (optional in model 800)
 - Maximum consumption of 138W

Regulatory compliances

- Environmental Conditions





Operating temperature: 0 to +55 °C, 95% relative humidity, not condensing
Inventory temperature: -10 to +75 °C, 95% relative humidity, not condensing

- Certifications
Anatel certification

