

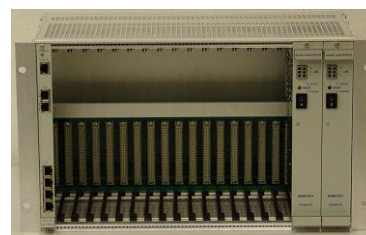
FEATURES

- Common cards two chassis
- 4 x E1 Pri ISDN Trunks per 1U 7495 chassis
- 20 x E1 Pri ISDN Trunks per 40241 chassis
- Up to 16 GSM SIM cards
- 1 to 32 analogue ports per 1U chassis
- Up to 160 analogue channels in 6U cardframe
- Up to 4 x Basic Rate ISDN ports per board
- 2 x 10/100Mbps Ethernet
- E1, DSS1, ISDN Pri (Q.931), R2 MFC, CAS
- Multiple CODEC including T.38 fax support
- TDM-Voip Gateway
- Signalling Converter R2 MFC, ISDN DSS1, SIP
- Voip, TDM PBX (Asterisk)

745901 Rackmount standalone



40241 6U Cardframe



The Case Communications 7495 voice and data gateway / router/ PBX, GSM Gateway, is constructed using a common set of cards which fit into two chassis. The 7459 is a 1U chassis and the 40241 is 6U 17 slot chassis supporting up to 5 processor cards, 20 x E1 ports and 160 analogue ports, allowing the 7495 to be truly flexible and scalable.

7495 APPLICATIONS

- Voice & Data Router
- VoIP, TDM PBX (SW Asterisk), TDM – VoIP gateway
- PBX Features: Call Forwarding, Call Hold/Transfer, Music On Hold, Call Parking, Call Pickup, Speed Dial, CLIP/CLIR, Automatic Attendant
- Signaling converter R2 MFC / ISDN DSS1 – SIP, Routing to another E1 if there is no more free capacity for simultaneous calls
- Concentration of max. 4xE1
- Multiple Gateway (possibility to connect several customers and segregate their traffic)
- SIP PROXY Server

VOICE PROCESSING

G.711 (A – law, u - law)
 G.723.1 and G.723.1 Annex A and Annex B
 G.726
 G.729 Annex A, Annex B
 G.165 / G.168 – 2004 Echo Cancellation up to 128 ms
 Timeslot interchange for TDM to TDM traffic processing
 Echo Cancellation
 Patented robust jitter buffer
 DTMF generation and detection
 Call progress tone generation
 Carrier tone generation and detection
 Caller ID generation and detection
 Silence detection / suppression and comfort noise generation

CHANNEL CODECS

	Supported Voice Codecs	
	16 / 48 calls	32 / 64 calls
Hairpinning	128	256
G.711 – 10 ms	48	64
G.726	16	32
G.729 a b	16	32
G.723.1	16	24
T.38	16	16
Conferencing	10	24

Generation level software adjustable
 RTP – RFC 1889, RFC 2833, RFC 3389

SIP Protocols

RFC 3261 Compliant without S/MIME, TCP and TLS support
 RFC 2327 (SDP)

Voice Over IP, SIP Server-PBX 'Cobra' 7495 Modular VoIP /SIP Router & Gateway



Voice Routing

- Local switching
- Interface hunt groups
- Routing Criteria
- Interface
- Calling / called party number
- Time of day, day of week, date
- ISDN bear capability
- Number manipulation functions
- Replace numbers
- Add / remove digits
- Multiple remote gateways

Quality of Service

- QoS pre-router
- TOS /DiffServ
- Supported QoS marking

FAX and Modem Support

- FAX over IP
- T.38 real-time fax protocol, Fax relay (9.6 k, 14.4k) (V.27, V.29, V.17 and V.33)
- G.711 Fax and Modem Bypass

Power

- 7451 19 inch Rack 1U
- 40241 19 inch Rack 6U

Dimensions

- 44H x 282D x 485W
- 264Hx x282D x 485W

ISDN Signalling

- Euro ISDN EDSS – 1/ETSI PRI/ NET5
- ETS 300 011 (ISDN PRI UNI)
- ETS 300 012-1 (ITU – T I.430)
- ETS 300 402-2 (ITU-T Q I.921)
- ETS 300 403-1/2 (ITU-T Q.931)
- ETS 300 102-2 (ITU-T Q.931)
- ISDN speech, audio and data (Fax Gr4, UDI 64)

CAS MFC R2 Signalling

- ITU – T from Q.440 to Q.480, Q.490
- ITU – T from Q.421 to Q.424
- Basic Technical Requirements for Digital Switching System and PCM Transmission System

Networking

- DHCP support and capabilities
- Static Routing
- VLSM

Management

- SNMP v.2c, HTTP, FTP, TFTP, HTTPS
- Local management (local user site)
- Remote management CLI – SSH
- Text and graphical mode

Operating Environment

- Operating temperature: 0° C to 55° C
- Storage temperature: -10° C to 60° C
- Humidity: up 75%, non-condensing

Voice and Data Router

