

ORDERING INFORMATION

Part #	Description
TMG3200-DS3-1	1 x DS3
TMG3200-DS3-2	2 x DS3
TMG3200-DS3-3	3 x DS3

Each configuration is available with redundant AC or DC power.

The TelcoBridges Tmedia™ TMG3200 is our mid-level VoIP gateway.

Notorious for its **high-capacity** and **high-performance**, the TMG3200-DS3 is a 1 to 3 DS3 VoIP gateway that offers the industry's **highest density in a single box (2U)** solution.

Characteristics of the TMG3200-DS3:

- ✓ 2U VoIP gateway
- ✓ 672 to 2016 VoIP channels
- ✓ 1 to 3 DS3s
- ✓ Simple field upgrade by 1 DS3 and 672 VoIP channel increment
- ✓ Redundant AC or DC power supplies

For more information on the Tmedia TMG3200-DS3 visit www.telcobridges.com.

Tmedia TMG3200-DS3, front view



Tmedia TMG3200-DS3, rear view



Capacity and voice processing

672 to 2,016 VoIP channels (simple field upgrade)

PSTN interfaces

1 to 3 DS3 (simple field upgrade)

BNC connectors on rear of unit

Dual RJ48C for BITS or T1/E1 for signalling

VoIP interfaces

Dual 100/1000Base-T

RJ45 connectors on rear of unit

Vocoding

Universal codecs: G.711, G.723.1, G.726, G.729ab, T.38

Other codecs: G.722.2 (AMR-WB), G.728, G.729eg, iLBC, clear mode (RFC 4040)

Fax/Modem/Data

T.38 fax relay (V.17 and V.34)

Automatic G.711 fallback

Modem and data pass-through

DTMF relay

RFC 2833, SIP INFO Method, In-band

Echo cancellation

G.168 echo cancellation

128 ms echo tail on all channels simultaneously

Voice processing

Dynamic and programmable jitter buffer (20 to 200 ms)

Voice activity detection (VAD)

Comfort noise generation (CNG)

Management interfaces

Dual 100/1000Base-T for OAMP

Signalling

Simultaneous signalling support:

SIP

Supported RFCs: 2327, 2976, 3261, 3262, 3263, 3264, 3311*, 3323*, 3325*, 3398, 3515*, 3578*, 3764, 3891, 4028 (*: partial compliance)

SIGTRAN

M2PA, M2UA, M3UA, IUA

SS7 termination and/or relay supported

SS7

Up to 64 x MTP2 links (56, 64, n x 56/64 kbps, HSL)

Multiple redundant MTP2 links

Up to 64 MTP3 originating point codes and linksets

ISUP variants: ITU 92, ITU 97, ANSI 88, ANSI 92, ANSI 95, Telcordia 97,

ETSIv2, ETSIv3, China, Singapore, UK Brazil

ISDN PRI

Q.931 ISDN PRI: NI-2, 4ESS, 5ESS, DMS-100, DMS-250, Euro ISDN ETSI NET5 (France, Germany, UK, China, Hong Kong, Korea), NTT (Japan), Australia

CAS

MFC R2 (standard ITU, Brazil)

Customizable protocol script files

TMG-CONTROL

Standalone call control

Any to any call routing (TDM-VoIP, TDM-TDM, VoIP-VoIP with transcoding)

Call routing based on: trunk group, calling/called numbers, nature of address, ASR, time of day, load-based, cost-based, TO:, FROM: Request

URI, redirect numbers, and other parameters

NPA-NXX routing (100k+ table entries, Excel or CVS file upload)

Route retries

Call transfer (REFER, AT&T TR 50075)

H.248 (MEGACO) call control

ITU-T H.248 versions 1 and 2

UDP, SCTP, IPSec transport

DTMF and fax detection

DTMF, announcements and call progress tone generation

Call quality and inactivity alerts

Session management and billing

SIP peer availability polling

RTP inactivity monitoring

CDR generation (RADIUS and text file)

OAMP+T

Operation & Administration

Web-based system status and operations

SNMP v2 GET, TRAPs and alarms

Dynamic configuration changes

Maintenance

Web-based interface for maintenance

Automated system upgrade

System backup, restore and copy

Provisioning

Web-based interface for configuration

Dynamic activation

Troubleshooting

Per-call tracing (history and/or live)

Signalling capture tools

SSH command-line interface

Electrical characteristics

Power input

90 to 260 VAC, 47 to 63 Hz

-40 to -60 VDC

Redundant power supply with dual power inputs

Maximum 138W power consumption

Physical characteristics (*Dimensions & Weight*)

2U, 3.5" (88.9mm) H x 17.4" (442mm) W x 16" (406mm) D

20lbs (9.1kg)

Regulatory compliance (UL/CSA 60950, CSA C22.2)

EMC : FCC Part 15:2009, Subpart B, CE Mark (EN55022:2006, Class A, EM60950, EN61000, ETS 300 386)

Environmental

Operating temperature: 0 to +55 °C, 95% re. hum. non-condensing

Storage temperature: -10 to +75 °C, 95% rel. hum. non-condensing

NEBS Level 3 compliant

RoHS compliant