

To order or obtain additional info - Contact  
Teleprime Advanced Communications Division  
Tel - 1-213-825-1020 FAX - 1-213-825-1021  
email - sales@teleprimeacd.com  
web URL - www.teleprimeacd.com

#### TELEPRIME ORDERING INFORMATION

Part #	Description
S&MGSACR1602	16 x T1/E1
S&MGSACR3201	32 x T1/E1
S&MGSACR4801	48 x T1/E1
S&MGSACR6401	64 x T1/E1

For DC power, use DC instead of AC  
Add +1 for 1+1 Standby version  
to the part number.

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

Notorious for its **high-capacity** and **high-performance**, the TMG3200-TE is an 16 to 64 T1/E1 VoIP gateway that offers the industry's **highest density in a single box (2U)** solution.

#### Characteristics of the TMG3200-TE:

- ✓ 2U VoIP gateway
- ✓ 512 to 2048 VoIP channels
- ✓ 16 to 64 T1/E1s
- ✓ Simple field upgrade by 16 T1/E1 and 512 VoIP channel increment
- ✓ Redundant AC or DC power supplies

For more information on the Tmedia TMG3200-TE visit [www.teleprimeacd.com](http://www.teleprimeacd.com).

Tmedia TMG3200-TE, front view



Tmedia TMG3200-TE, rear view



## Capacity and voice processing

512 to 2,048 VoIP channels (simple field upgrade)

### PSTN interfaces

16 to 64 T1/E1 (simple field upgrade)  
Independently configurable per port  
SCSI connectors to RJ48C patch panel

### 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 100/1000 Base-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

Sold by - Teleprime Advanced Communications Division  
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## 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