



PRODUCT DESCRIPTION

The TelcoBridges™ Tmedia TMG7800-TMS media switch is a dedicated, high-availability switch that can combine with up to 16 TelcoBridges' Tmedia TMG7800 VoIP gateway units to support up to 32,768 non-blocking universal voice ports across 1,024 T1/E1, 48 DS3, or 16 OC3/STM-1 interfaces. When used with the TMG7800, the TMG7800-TMS media switch supports carrier-grade, high-capacity bridging between media gateway units creating a perfectly non-blocking TDM switch for high-capacity voice switching applications.

FEATURES & BENEFITS

Carrier grade: The TMG7800-TMS media switch is designed to meet the need for five 9s reliability that service providers and their customers demand. The TMG7800-TMS enables physical and logical redundancy across the switching fabric.

Flexibility: A network-agnostic platform, the TMG7800-TMS supports multiple 'any-to-any' switching for up to 32,768 non-blocking voice ports.

Scalability: Supports up to 16 TMG7800 VoIP gateway units representing 1,024 T1/E1, 48 DS3, or 16 OC3/STM-1 interfaces. The TMG7800-TMS media switch features self-discovery and handling of protected optimal routes between any TMG7800 device in the cluster. This automation allows the platform to transparently scale the system, regardless of how many units are present (i.e. one large single fault-tolerant system).

High availability: When paired together in a dual star architecture, two TMG7800-TMS devices enable redundancy and automatic fault-tolerance for communications between units across the cluster. Combined with the TMG-CONTROL fault-tolerant software architecture, the TMG7800-TMS media switch supports high-availability for both SS7 signalling and core call routing functions.

For more information on the Tmedia TMG7800-TMS visit www.telcobridges.com.

ILLUSTRATIONS



Tmedia TMG7800-TMS media switch, 1U front view



Tmedia TMG7800-TMS media switch, 1U rear view

Ordering information

Part #	Description
TMG7800-CTRL	Media controller
TMG7800-TMS	Media switch
TMG7800-TE-16	16 x T1/E1
TMG7800-TE-32	32 x T1/E1
TMG7800-TE-48	48 x T1/E1
TMG7800-TE-64	64 x T1/E1
TMG7800-DS3-1	1 x DS3
TMG7800-DS3-2	2 x DS3
TMG7800-DS3-3	3 x DS3
TMG7800-STM1	1 x STM1

Each configuration is available in redundant AC or DC power.

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LAN PORTS

> Dual Redundant 100/1000Base-T for control

SWITCH PORTS

> 16 RJ connectors
> Each interface supports 2,048 channels
> Interconnects up to 16 TMG7800 devices

MANAGEMENT PORTS

> One RJ serial console port with RS-232C adapter
> One 100/1000Base-T management interface

SYNCHRONIZATION

> BITS or any input interface

MANAGEMENT & CONTROL

TelcoBridges OAM&P Web Portal

> Live configuration and software upgrades via HTTP
> Monitoring via HTTP

CALL CONTROL

High-performance call switching and call routing

> Tmedia TMG-CONTROL software

HARDWARE SPECIFICATIONS

Dimensions

1U with dual AC or DC power supplies
> 1.75" H (44,5 mm) x 17.4" W (442 mm) x 16" D (406 mm)

Weight

17 lbs (7.71 kg)

AC Power

90 to 260 Volts AC, 47/63 Hz

DC Power

-40 to -60 Volts DC

Power Consumption

72 W fully loaded

Environment

Operating temperature range: 0 to +55 °C, 95% rel. hum. non-condensing
Storage temperature range: -10 to +75 °C, 95% rel. hum. non-condensing

REGULATORY COMPLIANCE

EMC

> FCC Part 15, EN55022, EN61000, ENV50204

NEBS Level 3

> Designed to meet

Safety

> CE, UL60950, CSA C22.2 No. 60950-1-03