TOA

8x8 DIGITAL MATRIX MIXER M-8080D-EB

■DESCRIPTION

The M-8080D 8x8 Digital Matrix Mixer is dedicated music, paging, discussion and zone management solutions for Commercial Audio applications. With DSP functions: EQ, Compressor, Ducker, Priority Setting, etc. M-8080D Line-up includes remote control panels, remote input and output panel, paging microphone. Easy to use and to implement.
It can be mounted in an EIA Standard equipment rack (1 unit size).

■SPECIFICATIONS

Power Source	100-240 V AC, 50/60 Hz
Power Consumption	40 W
Audio Input	Input 1 - 8 : -48 to 0 dBV, 6.8kΩ, electronic balanced, removable terminal block (3 pins x 8)
Audio Output	Output 1 - 8 : 0 dBV, 1.8kΩ, Maximum output 20dBu(7.75V), electronic balanced, removable terminal block (3 pins x 8)
Frequency Response	20 - 20,000 Hz, ±3 dB
Total Harmonic Distortion	0.01%
S/N Ratio	Over 105dB (A weighted)
Crosstalk	Over 79dB (A weighted)
Phantom Power	+48 VDC, switchable, Inputs 1 - 8
Control input	GPI 1 - 2 : no-voltage contact input, open voltage:1.5V DC, short-circuit current: Under 3mA, RJ45 Connector x 2
Control output	Relay 1 - 2 : withstand voltage: 24V DC, control current: Under 500mA, removable terminal block(4 pins)
RD port	RD 9 - 12 : transmits and receives AES3 digital audio plus control data connect remote devices such as M-8221O, M-800RC, M-802RC, M-800RCT and M-800RM, maximum Cable Length is 100 meters, RJ45 Connector x 2
Equalizer/Filter	5 band EQ (LPF and HPF) for IN and 8 band EQ (LPF and HPF) for OUT Parametric Equalizer: 19.7 - 20,160 Hz, range: ±18 dB, Q: 0.4 - 128, Type: peak/low/high Filter: High-pass Filter: 19.7 - 20,160 Hz, Type: Butterworth 6, 12, 18, 24, 30, 36, 42, 48dB; Bessel 6, 12, 18, 24, 30, 36, 42, 48dB; Linkwitz 12, 24, 36, 48dB Low-pass Filter: 19.7 - 20,160 Hz, Type: Butterworth 6, 12, 18, 24, 30, 36, 42, 48dB; Bessel 6, 12, 18, 24, 30, 36, 42, 48dB; Linkwitz 12, 24, 36, 48dB
Gate	Threshold: -80 to +20 dB in 1 dB steps Ratio: 1:1, 1.2:1, 1.3:1, 1.5:1, 1.7:1, 2.0:1, 2.2:1, 2.3:1, 2.5:1, 3.0:1, 3.5:1, 4.0:1, 4.5:1, 5.0:1, 5.5:1, 6.0:1, 6.5:1, 7.0:1, 7.5:1, 8.0:1, 8.5:1, 9.0:1, 9.5:1, 10.0:1, gate Attack: 10 - 150 mS Release: 10 mS - 1 S
Compressor	Threshold: -30 to +20 dB in 1 dB steps Ratio: 1:1, 1.2:1, 1.3:1, 1.5:1, 1.7:1, 2.0:1, 2.2:1, 2.3:1, 2.5:1, 3.0:1, 3.5:1, 4.0:1, 4.5:1, 5.0:1, 5.5:1, 6.0:1, 6.5:1, 7.0:1, 7.5:1, 8.0:1, 8.5:1, 9.0:1, 9.5:1, 10.0:1, limit Attack: 10 - 150 mS Release: 10 mS - 1 S
Ducker	Level: 0-15 Threshold: -80 to 0 dB in 1 dB steps Depth: -60 to 0 dB in 1 dB steps Activation: 10 mS - 6 S
Feedback compression (FBC)	Mode: Speech / Music Filter release: fast / mid / low FBC type: dynamic Filters / static Filters
Auto mixer	Activation: 10 mS - 6 S
Delay	Delay time: 0 - 1361.2916 ms
Display	LCD display Displays device information: name, firmware version, ID, communication status
Indicators	Input: Analog Signal(Green)x8, Analog Peak(Red)x8, RD Signal(Green)x4, RD Peak(Red)x4 Output: Analog Signal(Green)x8, Analog Peak(Red)x8, RD Signal(Green)x4, RD Peak(Red)x4 Status: Fault(Red)x1, Comm(Green)x1, Power(Blue)x1
Operating Temperature	0°C to +40°C (32 °F to 104 °F)
Operating Humidity	90 %RH or less (no condensation)
Finish	Panel: Aluminum, black Case: Surface-treated steel plate, black, paint
Dimensions	483 (W) × 44.2 (H) × 259 (D) mm (19.02" × 1.74" × 10.18")
Weight	4.58 kg
Accessory	Power cord (2 m) ···2, CAT5 cable (2 m) ···1, Removable terminal block(4 pins) ···1, Removable terminal block(3 pins) ···17
Option	M-804EX, M-8221O, M-800RC, M-802RC, M-800RCT, M-800RM

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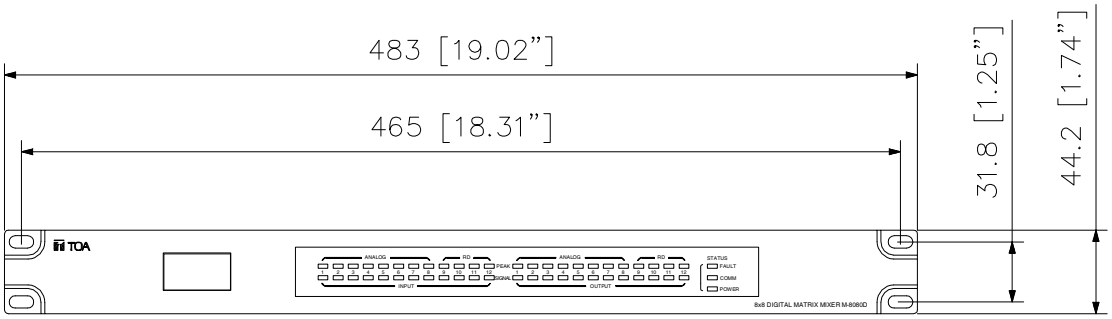
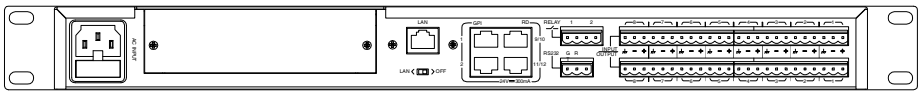
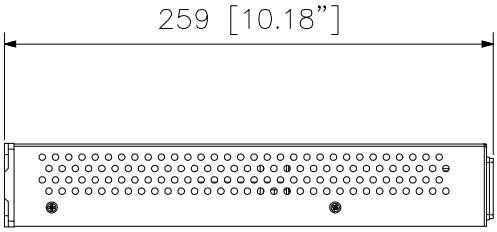
■APPEARANCE



Front View



Rear View



Side View

UNIT:mm SCALE:1/4

TOA Corporation

DWG No: TS-GM-000C1