

# MOSCONI GLADEN

## DSP8TO12 PRO

### Specifications



<b>ANALOG INPUTS:</b>	8 (RCA)
<b>ANALOG OUTPUTS:</b>	12 (RCA)
<b>DIGITAL INPUTS:</b>	1 coaxial (RCA), 1 optical (toslink), MOS-BTS (optional)
<b>DIGITAL OUTPUTS:</b>	no
<b>NATIVE SAMPLE RATE:</b>	96 kHz / 24 Bit
<b>DSP PERFORMANCE:</b>	294.912 MHz, 32-bit Sigma DSP 3072 SIMD instructions per sample at 96 kHz ASRCs from 1:8 up to 7.75:1 ratio and 139 dB DNR
<b>ADC PERFORMANCE:</b>	Burr Brown 24-Bit 107 dB Dynamic Range -93 dB THD+N
<b>DAC PERFORMANCE:</b>	Burr Brown 24-Bit 112 dB Dynamic range -94 dB THD+N Differential voltage output Low Level (LL) / High Level (HL)
<b>INPUT MODE:</b>	Low Level (LL) / High Level (HL)
<b>INPUT IMPEDANCE:</b>	12Kohm (LL) / 47ohm (HL)
<b>INPUT SENSITIVITY:</b>	1.2Vrms ÷ 8Vrms (LL) / 3Vrms ÷ 20Vrms (HL)
<b>INPUT REGULATION:</b>	-16.5dB ÷ 0dB
<b>MAX OUTPUT SIGNAL:</b>	8Vrms
<b>OUTPUT IMPEDANCE:</b>	56 ohm
<b>HARDWARE MUTE:</b>	no
<b>S/N RATIO:</b>	>100dB "A"
<b>THD DISTORTION:</b>	<0.003% @ 4Vrms
<b>FREQUENCY RESPONSE:</b>	10Hz ÷ 40KHz
<b>CHANNEL SEPARATION:</b>	>90dB (@ 100Hz)
<b>CHANNEL SEPARATION:</b>	>90dB (@ 1KHz)
<b>CHANNEL SEPARATION:</b>	>70dB (@ 10KHz)
<b>SUPPLY VOLTAGE:</b>	10V ÷ 16V (6V tolerant to sustain engine crank)
<b>DC-DC CONVERTER:</b>	transformer coupled, Current-Mode, Flyback converter
<b>CONVERSION FREQUENCY:</b>	52KHz
<b>AUTOSENSE:</b>	OFF / BTL / SE
<b>SEPARATE REMOTE OUT:</b>	yes, 100mA max. (protected)
<b>COMMUNICATION:</b>	USB, RCD/RC-MINI (optional), MOS-BTM (optional), RTC-HUB (optional)
<b>MISCELLANEOUS:</b>	Gold finishing PCB