

# TECHNICAL SPECIFICATIONS

## ANALOG LINE INPUTS

Connectors:	XLR balanced (pin 2 hot)
Impedance (balanced):	6.8 kOhm
Phantom supply:	---
Max. Input Level (balanced):	22 dBu
Sensitivity,	
@ 12 dB headroom (balanced):	- 11 dBu to 10 dBu
Dynamic Range (unweighted):	> 103 dB
THD+N:	< -90 dB (0.003 %) @ 1kHz, -3 dBFS
Frequency Response:	20 Hz to 20 kHz: +0/-0.3 dB
Crosstalk	
(Line to Mic. Pad 0), worstcase:	< -65 dB, 20 Hz to 20 kHz
(Line to Line or Mic. Pad	
20/40/60), worstcase:	< -85 dB, 20 Hz to 20 kHz
Common Mode Rejection,	
RS = 40 Ohm:	> 60 dB @ 50/60 Hz & > 70 dB @ 1 kHz
A to D Conversion:	24 bit (1 bit, 128 times oversampling)
A to D Delay:	0.8 ms @ 48 kHz

## Analog MiC Inputs

Connectors:	XLR balanced (pin 2 hot)
Impedance (balanced):	6.8 kOhm
Phantom supply:	48V +/- 10%, pin 2 & 3 through 6.81 kOhm
Max. Input Level (balanced)	
Pad 0/20/40/60:	0: -40 dBu, 20: -18 dBu, 40: 2 dBu, 60: 22dBu
Sensitivity @	
12 dB headroom (balanced):	0: -82 dBu to -52 dBu, 20: -52 dBu to -30 dBu, 40: -30 dBu to -10 dBu, 60: -10 dBu to 10 dBu
Dynamic Range, RS = 40 Ohm	
(unweighted):	0: >56 dB, 20: >88 dB, 40: >98 dB, 60: >100 dB
Noise Figure, Pad 0,	
RS = 200 Ohm:	< 1.8 dB
THD+N:	0: <-80 dB, 20/40/60: <-92 dB, -3dBFS
Frequency Response:	0: 20 Hz to 20 kHz, +0/-0.9 dB, 20/40/60: 20 Hz to 20 kHz, +0/-0.3 dBFS
Crosstalk:	
(Mic., all Pad to Mic.,	
Pad 0), worstcase:	<-66 dB, 20 Hz to 20 kHz
(Mic., all Pad to Mic.,	
Pad 20/40/60), worstcase:	<-82 db, 20 Hz to 20 kHz
Common Mode Rejection,	
RS = 200 Ohm:	> 60 dB @ 50/60 Hz & > 70 dB @ 1 kHz
A to D Conversion:	24 bit (1 bit, 128 times oversampling)
A to D Delay:	0.8 ms @ 48 kHz

## Analog Outputs

Connectors:	XLR balanced (pin 2 hot)
Impedance:	50 Ohm (active transformer)
Max. Output Level:	22 dBu (balanced)
Full Scale Output Range:	-10 dBu to 22 dBu
Dynamic Range:	>100 dB (unweighted)
THD+N:	-86 dB (0.005%) @ 1 kHz, -6 dBFS
Frequency Response:	10 Hz to 20 kHz: +0/-0.5 dB
Crosstalk:	<-60 dB, 10 Hz to 20 kHz, typical < -90 dB @1 kHz
D to A Conversion:	24 bit (1 bit, 128 times oversampling)
D to A Delay:	0.57 ms @ 48 kHz

## Digital Inputs and Outputs

Connectors:	XLR (AES/EBU), RCA Phono (S/PDIF), Optical (Toslink, ADAT)
Formats:	AES/EBU (24 bit), S/PDIF (20 bit), EIAJ CP-340, IEC 958, EIAJ Optical (Toslink), ADAT Lite pipe
Output Dither:	HPF TPDF dither 8-24 bit
Word Clock Input:	RCA Phono, 75 ohm, 0.6 to 10 Vpp, 30 - 50 Khz
Sample Rates:	44.1 kHz, 48 kHz
Processing Delay:	0.2 ms @ 48 kHz
Frequency Response DIO:	20 Hz to 23.9 kHz +0.01/-0.1 dB @ 48 kHz

## PCMCIA Interface

Connector:	PC Card, 68 pin type I cards
Standards:	PCMCIA 2.0, JEIDA 4.0
Card Format:	Supports up to 2 MB SRAM

## Control Interface

MIDI:	In/Out/Thru : 5 Pin DIN
GPI, Pedal, Fader:	1/4" phone jack

## General

EMC Complies with:	EN 55103-1, EN 55103-2 and Class B limits of FCC rules, part 15
Safety Certified to:	IEC65, EN 60065, UL 1419, CSA E65
Operating Temperature:	32° F to 122° F (0° C to 50° C)
Storage Temperature:	-22° F to 167° F (-30° C to 70° C)
Humidity:	Max. 90 % non-condensing
Finish:	Anodized aluminum front, Plated and painted steel chassis
LCD:	56 x 128 dot graphic LCD-display
Dimensions:	19" x 1.75" x 8.2" (483 x 44 x 208 mm)
Weight:	5.5 lbs. (2.5 kg)
Mains Voltage:	100 to 240 VAC, 50 to 60 Hz (auto-select)
Power Consumption:	<20 W
Backup Battery Life:	>10 years

**Technical Specifications are subject to change without notice !**