Specifications

General

Sampling frequencies	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz
Quantization bit depth	24 bits

Analogue audio inputs

Mic input (balanced, IN1)	XLR-3-31 (1: GND, 2: HOT, 3: COLD)
Input impedance	2.4 kΩ
Nominal input level (gain knob at max.)	−65 dBu (0.0004 Vrms)
Nominal input level (gain knob at min.)	−8 dBu (0.0775 Vrms)
Maximum input level	+10 dBu (2.449 Vrms)
Maximum gain	58 dB
Line/instrument input (balanced/unbalanced, IN2)	6.3-mm standard TRS stereo jack (Tip: HOT, Ring: COLD, Sleeve: GND)
When set to LINE (balanced)	
Input impedance	10 kΩ
Nominal input level (gain knob at max.)	−41 dBu (0.0069 Vrms)
Nominal input level (gain knob at max.)	+4 dBu (1.228 Vrms)
Maximum input level	+20 dBu (7.75 Vrms)
Maximum gain	45 dB
When set to INST (unbalanced)	
Input impedance	≥1 MΩ
Nominal input level (gain knob at max.)	−51 dBV (0.0028 Vrms)
Nominal input level (gain knob at max.)	−6 dBV (0.5015 Vrms)
Maximum input level	+3 dBV (1.4125 Vrms)
Maximum gain	45 dB
Line input L/R (unbalanced)	RCA
Input impedance	10 kΩ
Maximum input level	+6 dBV (1.995 Vrms)

Analogue audio outputs

Line output L/R (unbalanced)	RCA
Output impedance	100 Ω
Maximum output level	+6 dBV (1.995 Vrms)
Headphones output	6.3-mm standard stereo jack
Maximum output power	18 mW + 18 mW or higher (THD+N 0.1% or less, 32 Ω)

Other inputs and outputs

USB	4-pin USB C-type
Transfer rate	USB 2.0 Hi-speed (480 Mbits/s)
Power supply (DC IN 5V)	USB Micro B type

Audio performance

Mic preamp EIN (equivalent input noise)	−128 dBu or less (150 Ω termination, gain knob at max.)
Frequency response	
Mic input	44.1/48 kHz: 20 Hz – 20 kHz, +0 dB/−0.4 dB (JEITA) 88.2/96 kHz: 20 Hz – 40 kHz, +0 dB/−0.4 dB (JEITA)
Line input	44.1/48 kHz: 20 Hz – 20 kHz, +0.2 dB/−0,1 dB (JEITA) 88.2/96 kHz: 20 Hz – 40 kHz, +0.2 dB/−0.4 dB (JEITA)
Line output	44.1/48 kHz: 20 Hz – 20 kHz, +0.2 dB/−0,1 dB (JEITA) 88.2/96 kHz: 20 Hz – 40 kHz, +0.2 dB/−0.4 dB (JEITA)
S/N ratio	
Mic input to computer	109 dB (gain knob at minimum, 20-kHz LPF, A-weighted)
Line input to computer	105 dB (gain knob at minimum, 20-kHz LPF, A-weighted)
Computer to line output	110 dB (MONITOR knob at maximum, 20-kHz LPF, A-weighted)
Distortion (THD+N)	
Mic input to computer	0.0013 % (gain knob at minimum, −5 dBFS input level, 1-kHz sine wave, 20-kHz LPF)
Line input to computer	0.0027 % (gain knob at minimum, −5 dBFS input level, 1-kHz sine wave, 20-kHz LPF)
Computer to line output	0.0015 % (MONITOR knob at maximum, −4 dBFS input level, 1-kHz sine wave, 20-kHz LPF)
Crosstalk	95 dB or more (mic/line input to line output, 1-kHz sine wave, gain knob at minimum)

Host computer requirements

Host computer requirements

Windows	
Computer hardware requirements	Windows-compatible computer with a USB 2.0 port
CPU/processor speed	2 GHz or faster dual core processor (x86)
Memory	2 GB or more
Supported audio drivers	ASIO 2.0, WDM
Mac	
Computer hardware requirements	Mac with a USB 2.0 port
CPU/processor speed	2 GHz or faster dual core processor
Memory	2 GB or more
Supported audio driver	Core Audio
iOS device	iOS device running iOS 7 or later
Supported audio driver	Core Audio

Power supply and other specifications

Power supply	
Used with a computer	USB bus power
Used with an iOS device	USB power adapter (that can supply 5 V and a current of at least 700 mA)[1] External battery pack (that can supply 5 V and a current of at least 700 mA)[2]
Power consumption	1.8 W
Dimensions (W × H × D, without protrusions)	146 mm × 55 mm × 120 mm
Weight	623 g
Operating temperature range	5–35 °C