Specifications

Digital conversion	
Sampling frequencies	44.1/48/88.2/96 kHz
Quantization bit depth	16-bit or 24-bit

Analogue audio inputs	
Mic inputs 1-8 (balanced)	XLR-3-31 (1: GND, 2: HOT, 3: COLD)
Input impedance	2.4 kΩ
Rated input level	−68 dBu (0.0003 Vrms, gain knob max.)
Rated input level	−12 dBu (0.195 Vrms, gain knob min.)
Maximum input level	+8 dBu (1.947 Vrms)
Maximum gain	56 dB
Instrument inputs 9–10 (unbalanced, LINE/INST switch set to INST)	6.3mm standard TS jacks (Tip: Hot, Sleeve: GND)
Input impedance	1 MΩ or more
Rated input level	−57 dBV (0.0014 Vrms, gain knob max.)
Rated input level	−12 dBV (0.251 Vrms, gain knob min.)
Maximum input level	+8 dBV (2.512 Vrms)
Maximum gain	45 dB

Analogue audio inputs	
Line inputs 9–10 (unbalanced, LINE/INST switch set to LINE)	Standard TRS jack, balanced (Tip: HOT, Ring: COLD, Sleeve: GND)
Input impedance	10 kΩ
Rated input level	−41 dBu (0.0069 Vrms, gain knob max.)
Rated input level	+4 dBu (1.228 Vrms, gain knob min.)
Maximum input level	+24 dBu (12.282 Vrms)
Maximum gain	45 dB
Line inputs 11–16 (unbalanced, LEVEL switch set to −10 dBV)	6.3mm standard TS jacks (Tip: Hot, Sleeve: GND)
Input impedance	10 kΩ
Rated input level	−10 dBV (0.3162 Vrms)
Maximum input level	+10 dBV (3.162 Vrms)
Line inputs 11–16 (balanced, LEVEL switch set to +4 dBu)	Standard TRS jack, balanced (Tip: HOT, Ring: COLD, Sleeve: GND)
Input impedance	10 kΩ
Rated input level	+4 dBu (1.228 Vrms)
Maximum input level	+24 dBu (12.282 Vrms)

Analogue audio outputs	
Line outputs 1–8 (balanced)	Standard TRS jack, balanced (Tip: HOT, Ring: COLD, Sleeve: GND)
Output impedance	100 Ω
Rated output level	+4 dBu (1.228 Vrms)
Maximum output level	+24 dBu (12.277 Vrms)
Headphones output	6.3-mm standard stereo jack
Maximum output power	70 mW + 70 mW (THD+N ≤1 %, 32 Ω)
Frequency response (input to headphones output)	At 44.1 kHz and 48 kHz: 20 Hz – 20 kHz, ±1.0 dB (JEITA) At 88.2 kHz and 96 kHz: 20 Hz – 40 kHz, ±2.0 dB (JEITA)

Other inputs/outputs	
MIDI input	5-pin DIN connector
Format	Standard MIDI format
MIDI output	5-pin DIN connector
Format	Standard MIDI format
USB	4-pin USB B-type
Transfer rate	USB 2.0 High Speed (480 MBit/s)

Audio performance	
Mic preamp EIN (equivalent input noise)	−125 dBu or more
Frequency response (input to line output)	
At 44.1 kHz and 48 kHz	20 Hz – 20 kHz, ±0.5 dB (JEITA)
At 88.2 kHz and 96 kHz	20 Hz – 40 kHz, ±0.5 dB (JEITA)
S/N ratio	100 dB or higher (line input to line output, gain knob at minimum, JEITA)
Distortion	0.006% or less (mic/line input to line output, 1 kHz sine wave, nominal input level, maximum output level)
Crosstalk	100 dB or higher (mic/line input to line output, 1 kHz)
Computer system requirements	
Windows	
Computer hardware requirements	Windows computer with a USB 2.0 or USB 3.0 port 2 GHz or faster dual core processor (x86) 2 GB or more memory Display resolution at least 1280 x 800 px
Supported audio drivers	ASIO 2.0, WDM (MME)
Important: Operation of this unit was confirmed using standard computers that meet the above requirements. This does not guarantee operation with all computers that meet the above	

Computer system requirements	
requirements. Even computers that meet the same system requirements might have processing capabilities that differ according to their settings and other operating conditions.	
Mac	
Computer hardware requirements	Apple Mac computer with a USB 2.0 or USB 3.0 port 2 GHz or faster dual core processor 2 GB or more memory Display resolution at least 1280 x 800 px
Supported audio drivers	Core Audio, Core MIDI
Power supply and other specifications	
Power supply	Specialized AC adapter (GPE248-120200-Z)
Power consumption	12 W
External dimensions	445 mm × 59 mm × 219 mm
Weight	2.8 kg
Operating temperature range	5–35 °C

Design and specifications subject to change without notice.

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