

Spec description


Sampling frequency	44.1k/48k/88.2k/96k Hz
Quantization bit rate	16/24-bit
Analog audio inputs	
MIC IN(IN 1-8)	
Connector	XLR-3-31 (1: GND, 2: HOT, 3: COLD), BALANCED
Input impedance	2.4k Ω
Nominal input level	
GAIN: MAX	-68dBu (0.0003Vrms)
GAIN: MIN	-12dBu (0.195Vrms)
Maximum input level	+8dBu (1.947Vrms)
Gain	56dB
INST IN (IN 9-10)	
Connector	1/4" (6.3mm) TS-jack (T: HOT, S: GND), UNBALANCED (when set to "INST" at LINE/INST switch)
Input impedance	1M Ω or more
Nominal input level	
GAIN: MAX	-57dBV (0.0014Vrms)
GAIN: MIN	-12dBV (0.251Vrms)
Maximum input level	+8dBV (0.2512Vrms)
Gain	45dB
LINE IN (IN 9-10)	
Connector	1/4" (6.3mm) TRS-jack (T: HOT, R: COLD, S: GND), BALANCED (when set to "LINE" at LINE/INST switch)
Input impedance	10k Ω
Nominal input level	
GAIN: MAX	-41dBu (0.0069Vrms)
GAIN: MIN	+4dBu (1.228Vrms)
Maximum input level	+24dBu (12.182Vrms)
Gain	45dB
LINE IN (IN 11-16)	

LEVEL switch : “-10dBV”	
Connector	1/4" (6.3mm) TS-jack (T: HOT, S: GND), UNBALANCED
Input impedance	10k Ω or more
Nominal input level	-10dBV (0.3162Vrms)
Maximum input level	+10dBV (3.162Vrms)
LEVEL switch : “+4dBu”	
Connector	1/4" (6.3mm) TRS-jack (T: HOT, R: COLD, S: GND), BALANCED
Input impedance	10k Ω
Nominal input level	+4dBu (1.228Vrms)
Maximum input level	+24dBu (12.182Vrms)
Analog audio outputs	
LINE OUT (LINE OUT 1-8)	
Connector	1/4" (6.3mm) TRS-jack (T: HOT, R: COLD, S: GND), BALANCED
Output impedance	100 Ω
Nominal output level	+4dBu (1.228Vrms)
Maximum output level	+24dBu (12.177Vrms)
PHONES	
Connector	1/4" (6.3mm) stereo phone jack
Maximum output level	70mW + 70mW or more (THD+N 0.1% or less, 32 Ω loaded)
MIDI IN / OUT	
Connector	DIN 5-pin
Format	Standard MIDI format
USB	
Connector	USB B type 4-pin
Format	USB2.0 HIGH SPEED mass storage class
Power	Dedicated AC adapter (GPE248-120200-Z, included)
Power consumption	12W
Dimensions (W x H x D)	17.5" x 2.32" x 8.62" / 445 x 59 x 219 mm
Weight	6.11 lbs. / 2.8 kg
Operating temperature	41°F to 95°F / 5°C to 35°C
Accessories	Rack mount adapter, USB cable, User's manual, warranty card, dedicated AC adapter (GPE248-120200-Z)

Audio performance

Frequency response	
LINE OUT(BALANCED)	
44.1k/48k Hz	20Hz to 20kHz, $\pm 0.3\text{dB}$ (JEITA)
88.2k/96k Hz	20Hz to 40kHz, $\pm 0.3\text{dB}$ (JEITA)
THD	0.008% or less
S/N ratio	100dB or more
Crosstalk	100dB or more
EIN	-125dBu or less

Computer system requirements

Windows	
Compatible computers	Windows-compatible computer with a USB 2.0 port
CPU type/speed	Dual core / 2GHz or faster
Memory	2GB or more
DRIVER	ASIO2.0  , WDM(MME)
Macintosh	
Compatible computers	Apple Macintosh computer with a USB 2.0 port
CPU type/speed	Dual core / 2GHz or faster
Memory	2GB or more
DRIVER	Core Audio, Core MIDI