

PreSonus Quantum 4848 48x48 4-bit 192 kHz Thunderbolt Audio Interface with Studio One Professional

Line Inputs	
Type	DB25 (Tascam Format), Balanced
Maximum Input Level	+18 dBu (Balanced, min. gain)
Frequency Response	20 Hz to 20 kHz (± 0.05 dB, unity gain, 48 kHz) 20 Hz to 40 kHz (± 0.10 dB, unity gain, 96 kHz)
Dynamic Range	> 118 dB (A-wtd, min. gain)
Total Harmonic Distortion	< 0.005% (1 kHz, min. gain)
Input Impedance	10 k Ω
Line Outputs	
Type	DB25 (Tascam Format), impedance balanced, DC Coupled
Maximum Output Level	+18 dBu (Balanced)
Frequency Response	20 Hz to 20 kHz (± 0.05 dB, unity gain, 48 kHz) 20 Hz to 40 kHz (± 0.15 dB, unity gain, 96 kHz)
Dynamic Range	> 118 dB (A-wtd)
Total Harmonic Distortion	< 0.0035% (1 kHz, +4 dBu)
Output Impedance	51 Ω
Crosstalk	
Input to Input	< -110 dB
Output to Output	< -115 dB
Input to Output	< -120 dB
Signal Level LEDs	
Clip	-0.5 dBFS (Red)
Signal 2	-2 dBFS (Yellow)
Signal 1	-50 dBFS (Green)
Digital Audio	
Connection Type	Thunderbolt*
ADC Dynamic Range	120 dB (A-wtd)
DAC Dynamic Range	120 dB (A-wtd)
Bit Depth	24 bits
Internally Supported Sample Rates	44.1, 48, 88.2, 96, 176.4, 192 kHz
Clock	
Jitter	< 70 ps RMS (20 Hz - 20 kHz)
Jitter Attenuation	> 60 dB (1 ns in => 1 ps out)
Power	
12 VDC, 5A, external power supply	
Physical	
Dimensions	
Height	1.75" (44.45 mm)
Depth	7" (177.8 mm)
Width	19" (482.6 mm)
Weight	6 lbs (2.72 kg)