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8. Specifications

Processing	
Number of input processing channels	32 input channels, 8 aux channels, 8 fx return channels
Internal effects engines, true-stereo / mono	8/16
Internal total recall scenes (incl. preamp and fader)	100
Signal processing	40-bit floating point
A/D-D/A conversion	24-bit @ 44.1 / 48 kHz, 114 dB dynamic range
I/O latency (console input to output)	0.8 ms
Network latency (stagebox in > console > stagebox out)	1.1 ms
Connectors	
XLR inputs, programmable mic preamp, designed by MIDAS	32
Talkback mic input, XLR	1
RCA inputs/outputs	2/2
XLR outputs	16
Monitoring outputs XLR / ¼" TRS balanced	2/2
Aux inputs/outputs, ¼" TRS balanced	6/6
Phones outputs, ¼" TRS	2 (stereo)
Digital AES/EBU output, XLR	1
AES50 ports, SuperMac, Neutrik ethercon	2
Expansion card	32 channel audio input/output, various standards
P-16 connector, Ultranet (no power supplied)	1
MIDI inputs / outputs	1/1
USB Type A, top panel, for audio and data export/import	1
USB Type B, rear panel, for remote control	1
Ethernet, RJ45, rear panel, for remote control	1
Mic Input Characteristics	
Design	**MIDAS**
THD + noise, 20 dB gain, 0 dBu out	< 0.006% A-weighted
Input impedance XLR, unbal. / bal.	5 kΩ / 10 kΩ
Non clip maximum input level, XLR	+23 dBu
Phantom Power, switchable per input	48 V
Equivalent input noise level, XLR (input shorted)	-128 dBu
CMRR, XLR, @ 20 dB gain (typical)	> 70 dB
CMRR, XLR, @ 40 dB gain	> 80 dB

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Input/Output Characteristics	
Frequency range, @ 48 kHz sample rate, 0 dB to -1 dB	10 Hz - 22 kHz
Dynamic range, analog in to analog out (typical)	106 dB
A/D dynamic range, preamp and converter (typical)	109 dB
D/A dynamic range, converter and output	108 dB
Cross talk rejection @ 1 kHz, adjacent channels	100 dB
Output level, XLR, nom./max.	+4 dBu / +21 dBu
Output impedance, XLR, unbal. / bal.	75 Ω / 75 Ω
Input impedance TRS Jack, unbal. / bal.	20 kΩ / 40 kΩ
Non clip maximum input level, TRS	+16 dBu
Nominal output level, TRS	+4 dBu / +16 dBu
Output impedance, TRS, unbal. / bal.	150 Ω / 300 Ω
Phones output impedance / level	40 Ω / +25 dBm (stereo)
Residual noise level, XLR and TRS	-87 dBu A-weighted
Display	
Main screen	7", 800 x 480, 262k color TFT
Channel LCD screen	128 x 64, LCD with RGB color backlight
Main meter	24-segment (-57 dB to clip)
Power	
Switch-mode power supply	Autorange 100-240 V (50/60 Hz)
Power consumption	120 W
Physical	
Standard operating temperature range	5°C - 40°C (41°F - 104°F)
Dimensions	900 x 528 x 200 mm (35.4 x 20.8 x 7.9")
Weight	20.6 kg (45.4 lbs)

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