

Behringer X32-TP Specs

Processing

Number of Channels	32 input channels 8 Aux-In channels 8 FX return channels 16 buses, 6 matrices Main LRC
Effects Engine	Internal: 8 true-stereo 16 mono
Scene File Memory	100 total recall scenes (including preamp and fader)
Signal Processing	40-bit floating point
Conversion	Cirrus Logic A/D CS5368, D/A CS4385 24-bit @ 44.1 / 48 kHz 114 dB dynamic range
Latency Timings	Local I/O: 0.8 mS (local in > console processing > local out) Networked I/O: 1.1 mS (stagebox in > console processing > stagebox out)
Total I/O Channels	150 / 158

Connectors

Mic/Line Inputs	16 x XLR balanced
Line Outputs	8 x XLR balanced
AUX Inputs	6 x 1/4" TRS 2 x RCA line-level (1 x L/R)
AUX Outputs	6 x 1/4" TRS 2 x RCA line-level (1 x L/R)
Talkback Mic Input	1 x XLR (no internal mic)
Monitor Outputs	2 x 1/4" TRS balanced
Headphone Output	1 x 1/4" TRS stereo
AES50 Ports	2 x SuperMAC
Expansion Port	1 x 32-channel I/O card, various standards available
P-16 Connector	1 x Ultranet (no power supplied)
MIDI In/Out	1 / 1
Ethernet Port	1 x RJ45 (for remote control)
USB Port	1 x USB 2.0 type A (for audio and data import/export)

Microphone Inputs

Designer	MIDAS
THD + Noise	< 0.006% A-weighted (20 dB gain, 0 dBu out)
Input Impedances	5 kOhms unbalanced 10 kOhms balanced
Maximum Input Level	+23 dBu without clipping
Phantom Power	+48 V, switchable per channel
Equivalent Input Noise	-128 dBu (input shorted)
CMRR	> 70 dB @ 20 dB gain (typical) > 80 dB @ 40 dB gain

Performance

Frequency Range	10 Hz to 22 kHz @ 48 kHz sample rate, 0 to -1 dB
Dynamic Range	Analog in to analog out: 106 dB A/D dynamic range, preamp and converter: 109 dB D/A dynamic range, converter and output: 108 dB
Cross-Talk Rejection	100 dB @ 1 kHz, adjacent channels
Residual Noise	-87 dBu, A-weighted
Input Impedance	TRS: 40 kOhms balanced, 20 kOhms unbalanced
Maximum Input Level	TRS: +16 dBu without clipping

Output Level	XLR: +4 dBu, nominal; +21 dBu, maximum TRS: +4 dBu, nominal; +16 dBu maximum
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Output Impedance	XLR: 75 Ohms, balanced or unbalanced TRS: 300 Ohms balanced, 150 Ohms unbalanced
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Headphone Output	Impedance: 40 Ohms Level: +25 dBm (stereo)
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Indicator

Display	5", 800 x 480, 262k color TFT (Main Screen)
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Metering	3 x 24-segment LED meters
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Power

Power Supply	100 to 240 V (50/60 Hz) switch-mode autorange
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Power Consumption	120 W
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Dimensions & Weight

Dimensions (W x D x H)	19.3 x 19.9 x 6.4" (490 x 506 x 163 mm)
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Weight	25.1 lb (11.4 kg)
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Packaging Info

Package Weight 61 lb

Box Dimensions (LxWxH) 25.5 x 25 x 11"
