

XONE:24C

Hardware Specifications

Model	Xone:24C
Type	Hybrid: Analogue + Internal USB-C Soundcard and Dual-port USB-C hub
Channels	2 + 1: CH1 & CH2: PHONO/USB/LINE AUX CH: MIC/USB/LINE
EQ	3-band Isolator EQ: $-\infty$ /+6dBu (CH1 & CH2) High Frequency 3.5kHz Mid Frequency: 1.1kHz Low Frequency: 500Hz 2-band: +/- 12dBu (Auxiliary Channel) High Frequency 900Hz Low Frequency: 750Hz
Line Inputs	3 x Stereo RCA (CH1 & CH2 + AUX CH)
Phono Inputs	2 x Stereo RCA (CH1 & CH2)
Mic Input	1 x Combi (XLR + TRS)
Master Output	1 x Stereo XLR (Balanced)
Booth Output	1 x Stereo RCA (Un-balanced)
Record Output	1 x Stereo RCA (Un-balanced)
Master Insert	1 x Stereo RCA MASTER INSERT FX Loop*
*Send/Return I/O	1 x Stereo RCA MASTER INSERT Send 1 x Stereo RCA MASTER INSERT Return
*FX Send	MASTER INSERT IN
Filter	1 x Stereo Analogue Voltage Controlled Filter HPF / LPF Adjustable Frequency & Resonance Assignable CH 1 & CH2 + Aux CH
Headphones	1 x 6.35mm Stereo Jack 1 x 3.5mm Stereo Jack Split Cue Monitoring
Channel Faders	45mm Linear Voltage Controlled Amplifier
Chanel Meters	Single tri-colour LED
X-Fader	45mm Linear VCA: mini InnoFADER®
X-Fader Curve Settings	2 Types (Fast-Cut/Blend)
Internal Soundcard	6 Channel 32-bit/96kHz USB 2.0 3 x Stereo In (CH1/CH2/Master) 3 x Stereo Out (CH1/CH2/Aux CH)
MIDI Assignable	YES: MIDI CC: CH1 & CH2 Faders, Crossfader, VCF FREQ NOTE ON/NOTE OFF: CUE, FILTER, HPF, LPF, MASTER INSERT IN
MIDI Out	1 x USB Host Port (Type C) 2 x USB Hub ports: Hub-to-Host/Host-to-Hub only (Type C)
Earth Ground Terminals	x 1
Power Supply	DC Mains: 100 to 240V AC 50/60Hz Consumption 35W max USB Power delivery: USB Host 7.5W (Type C) USB Hub 2 x 7.5W (Type C)
Mains Adaptor	2 pin DC socket with cable clamp

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Technical Specifications

Output Levels; Nom / Max	Master Mix	+ 4dBu	+22dBu
	Booth	0dBu	+18dBu
	Master Insert Send	- 2dBu	+18dBu
	Record RCA	- 10dBV	+ 8dBV
Internal headroom	Channels	+18dB	
Frequency response	Line in to master out	+/-0.5dB from 20Hz to 30kHz	
Distortion	Typically 0.01% @ 1kHz 0dBu		
Crosstalk	inter-channel	< -85dB @1kHz +10dBu	
Residual Noise	Master Mix	-93dBu	
	Booth	-93dBu	
Mix Noise	Master Mix	-83dBu	
	Booth	-83dBu	
	Record RCA	-83dBu	
Mic Gain	+40dB, EIN = -115dB (@ 40dB gain with 150R source)		
RIAA Gain	+42dB @ 1kHz	(6mV RMS= 0VU @ 1kHz)	
Master Meters	12 LED	-25dBu to +12dBu	
Channel Meter	Single tri-colour LED		
	GREEN	- 25dBu to 0dBu	
	BLUE	> 0dBu to +12dBu	
	RED	> 12dBu	
Channel EQ	LF 500Hz MF 1.1kHz HF 3.5kHz	+6dB boost to 'Total Kill'.	
	Total Kill attenuation	-75dB	
Auxiliary Channel EQ	LF 750Hz HF 900Hz	+/- 12dBu	
Channel fader	45mm Voltage Controlled Amplifier control	shutoff < -90dB @1kHz +10dBu	
Cross-fader	45mm Voltage Controlled Amplifier control	shutoff < -90dB @1kHz +10dBu	
Filter	Stereo. Dual Mode. Analogue Voltage Controlled Filter. High Pass & Low Pass response outputs. Frequency sweep and Resonance controls.		

Digital Architecture [USB] Specification

USB AUDIO & MIDI I/O	6 Channel* 24-bit/96kHz* capable USB 2.0 1 x Host Port: Full-duplex AUDIO: Mixer-to-Host MIDI OUT Mixer-to-Host
USB Audio Channels	2 x Hub Ports: Full-duplex AUDIO and MIDI: Host-to-Hub Ports *12 Channel: 3 x Stereo IN 3 x Stereo OUT
Analogue/Digital Line-up	3 MODE Operation: STREAM / DVS PRO / DAW 0dBu = -15dBFS
Supported Variable Buffer Sizes:	32 / 64 / 128 / 256 / 512 / 1024 / 2048 / 4096 / 8192 samples
Supported Sample Rates	*44.1 kHz / 48kHz / 88.2kHz / 96kHz
Supported Bit depth	*16 bit / 24 bit