General Specifications

Name/Model	K15	Hardware solution	Main control: X2000; MCU: ESP32-S3; DAC: AK4497S*2; USB decoding: XU316; Bluetooth decoding: QCC5125; AMP: MJE243G/253G discrete transistor current amplification
Working mode	USB DAC mode/Coaxial decoding mode/Optical decoding mode/Line in mode/Balanced in mode/Bluetooth receiving mode/Streaming media receiving mode/Local playback mode		
Color	Black/Silver	Weight	About 2100g
Dimensions	About 244.6x213x66.8mm	Volume control	Knob/Touch-on-display/Remote control
MQA	Supports MQA full decoding	Driver-free mode (Switch mode)	Supported
Gain	Ultra high gain mode/Super high gain mode/High gain/Medium gain/Low gain	Bluetooth receiving (5.1)	SBC/AAC/aptX/aptX LL/aptX HD/aptX Adaptive/LDAC
Display	3.93-inch LCD (240*1020) bezel-less screen	Touch-on-display	Supported
PEQ	Supports 10-band PEQ (No PEQ processing in line input and balanced input)	FIIO Link	Supports settings through the app
WiFi	Supports 2.4G/5G dual-band WiFi	Firmware upgrade	SOC firmware: Upgrade through the rear USB-A port MCU firmware: Upgrade through the rear RS232 port XMOS firmware: Upgrade through the front or rear USB-C port
Remote control	Supports IR remote control (only the one included in the accessory)	Knob indicator light	Supports customizing color, brightness, supports always-on indication or RGB pulsing
Max. supported sampling rate (PEQ=OFF)	USB decoding: Up to 768kHz/32bit; DSD512 (Native)	Screen status indication	Working mode, output mode
	Coaxial input decoding: Up to 192kHz/24bit; DSD64		Track format, sampling rate
	Optical input decoding: Up to 96kHz/24bit		EQ, volume
	Streaming decoding: Up to 384kHz/32bit; DSD256 (DOP)		Network status, Bluetooth codec
	Local playback: Up to 384kHz/32bit; DSD256		Gain
Adaptive impedance	PO: 8~150Ω		
	BAL: 8~350Ω		
Buttons and Ports			
Knob	Power on/off knob*1+Analog output level knob*1+Gain level knob*1+Volume knob with button*1+Menu knob with button*1	USB port	Type-C USB*3 (Data transmission port*2+RS232 DSP regulating port*1) USB-A*1 (Data transmission port)
Balanced headphone out	Standard 4.4mm port*1+XLR4 balanced port*1	Headphone out	Standard 3.5mm port
Digital optical input port	Optical port	Digital coaxial input port	RCA port
Balanced line output port	XLR3 balanced port	Single-ended line output port	RCA port
Balanced line input port	Standard 4.4mm port	Single-ended line input port	RCA port

Slide switch	Power switch	Housing grounding terminal	M4 banana port (Can be directly connected to use)
Ethernet port	1000Mbps		
Power Supply Parameters			
Power supply	AC 100-240V~50/60Hz; DC 12V/≥2.5A (either-or)	Battery capacity	N/A
Audio Parameters			
Performance and parameters of headphone output (6.35mm out, USB DAC/Coaxial decoding/Optical decoding, Ultra high gain mode)			
Output power 1	L+R≥1400mW+1400mW (16Ω, THD+N＜1%)	Output impedance	＜1Ω (32Ω)
Output power 2	L+R≥1400mW+1400mW (32Ω, THD+N＜1%)	Crosstalk	≥76dB (1kHz@32Ω)
Output power 3	L+R≥180mW+180mW (300Ω , THD+N＜1%)	THD+N	＜0.00054% (1kHz/-12dB@32Ω)
Output power 4	＜5.3μV (A-weighted)	SNR	≥122dB (A-weighted)
Frequency response	20Hz~20kHz: attenuation＜0.2dB 20Hz~80kHz: attenuation＜2.8dB	Peak output voltage	＞20.6Vp-p
Performance and parameters of headphone output (6.35mm out, USB DAC/Coaxial decoding/Optical decoding, Super high gain mode)			
Output power 1	L+R≥1400mW+1400mW (16Ω, THD+N＜1%)	Output impedance	＜1Ω (32Ω)
Output power 2	L+R≥760mW+760mW (32Ω, THD+N＜1%)	Crosstalk	≥76dB (1kHz@32Ω)
Output power 3	L+R≥90mW+90mW (300Ω , THD+N＜1%)	THD+N	＜0.00058% (1kHz/-10dB@32Ω)
Output power 4	＜5.3μV (A-weighted)	SNR	≥119dB (A-weighted)
Frequency response	20Hz~20kHz: attenuation＜0.2dB 20Hz~80kHz: attenuation＜2.8dB	Peak output voltage	＞14.6Vp-p
Performance and parameters of single-ended line output (RCA out, USB DAC/Coaxial decoding/Optical decoding)			
THD+N	＜0.00071% (1kHz/-11dB@10kΩ)	SNR	≥119dB (A-weighted)
Crosstalk	≥119dB (1kHz@10kΩ)	Output power 4	＜2.6μV (A-weighted)
Frequency response	20Hz~20kHz: attenuation＜0.2dB 20Hz~80kHz: attenuation＜2.8dB	Line output level	2.4Vrms (1kHz@10kΩ)
Performance and parameters of balanced headphone output (4.4mm/XLR4 out, USB DAC/Coaxial decoding/Optical decoding, Ultra high gain mode)			
Output power 1	L+R≥1400mW+1400mW (16Ω, THD+N＜1%)	Output impedance	＜1.5Ω (32Ω)
Output power 2	L+R≥3000mW+3000mW (32Ω, THD+N＜1%)	Crosstalk	≥116dB (1kHz@32Ω)
Output power 3	L+R≥700mW+700mW (300Ω , THD+N＜1%)	THD+N	＜0.00059% (1kHz/-13dB@32Ω)
Output power 4	＜9.5μV (A-weighted)	SNR	≥120dB (A-weighted)
Frequency response	20Hz~20kHz: attenuation＜0.2dB 20Hz~80kHz: attenuation＜2.8dB	Peak output voltage	＞41Vp-p
Performance and parameters of balanced headphone output (4.4mm/XLR4 out, USB DAC/Coaxial decoding/Optical decoding, Super high gain mode)			
Output power 1	L+R≥1400mW+1400mW (16Ω, THD+N＜1%)	Output impedance	＜1.5Ω (32Ω)
Output power 2	L+R≥2800mW+2800mW (32Ω, THD+N＜1%)	Crosstalk	≥116dB (1kHz@32Ω)
Output power 3	L+R≥350mW+350mW (300Ω , THD+N＜1%)	THD+N	＜0.00054% (1kHz/-9dB@32Ω)
Output power 4	＜9.5μV (A-weighted)	SNR	≥120dB (A-weighted)
Frequency response	20Hz~20kHz: attenuation＜0.2dB 20Hz~80kHz: attenuation＜2.8dB	Peak output voltage	＞29Vp-p
Performance and parameters of balanced line output (XLR3, USB DAC/Coaxial decoding/Optical decoding)			
THD+N	＜0.00055% (1kHz/-8dB@10kΩ)	SNR	≥120dB (A-weighted)
Crosstalk	≥117dB (1kHz@10kΩ)	Output power 4	＜3.3μV (A-weighted)
Frequency response	20Hz~20kHz: attenuation＜0.2dB 20Hz~80kHz: attenuation＜2.8dB	Line output level	4.8Vrms (1kHz@10kΩ)