

Model		element X	element P	element M	element i	Mini-i 3	Mini-i Pro 3
Comparison Item							
D/A chip		ES9038 PRO+ ES9311	ES9028 PRO	ES9028 PRO	ES9028 PRO	ES9038Q2M	ES9038Q2M
USB chip		XMOS XU216			XMOS XU208	XMOS XU216	
		PCM 16-24Bit 768kHz DSD 11.2MHz (DoP) DSD 22.4MHz (Native)			PCM 16-24Bit 384kHz DSD 5.6MHz (DoP) DSD 11.2MHz (Native)	PCM16-24Bit 768kHz DSD 11.2MHz(DoP) DSD 22.4MHz(Native)	PCM16-24Bit 768kHz MQA max 24Bit/384kHz DSD 11.2MHz(DoP) DSD 22.4MHz(Native)
Clock		Crystek CCHD-950 Ultra Low Phase Noise Femtosecond Clock	Crystek CCHD-950 Ultra Low Phase Noise Femtosecond Clock	SiTime Low Phase Noise Clock	SiTime Low Phase Noise Clock	SiTime Low Phase Noise Clock	Crystek CCHD-950 Ultra Low Phase Noise Femtosecond Clock
Digital Input	Optical	×2	×2	×1	×1	×1	×1
	Coaxial	×2	×2	×1	×1	×1	×1
	IIS LVDS	×1	×1	×1	×1	×1	×1
	Buletooth	N/A	N/A	N/A	N/A	YES	YES
	Network	YES	YES	YES	YES	YES	YES
	USB	×1	×1	×1	×1	Type-C x1	Type-C x1
Line In	RCA	N/A				×1	×1
Line Out	RCA	×1	NO	×1	×1	×1	×1
	XLR	×1	NO	×1	×1	×1	×1
Speaker Output		NO	2×230W@4Ω	NO	NO	NO	NO
Headphone Output	XLR4 and Dual XLR3	YES	NO	NO	NO	NO	NO
	TRS 6.35mm	YES	NO	YES	YES	YES	YES
	TRS 4.4mm	NO	NO	NO	NO	YES	YES
Network	LAN	10BASE-T/100BASE-TX					
	WLAN	2.4GHz/5GHz, IEEE 802.11 a/b/g/n/ac standard			2.4GHz, IEEE 802.11 a/b/g/n standard	NO	2.4GHz/5GHz, IEEE 802.11 a/b/g/n/ac standard
Volume Control Mode		Hyper-Control	MUSES 72320	Digital Volume	Digital Volume	Digital Volume	Digital Volume
		Relays Array+Digital Volume	Resistor Divider Control Mode				
USB Storage Device		TF Card Slot×1 USB HOST×2			USB HOST×2	NO	NO
NAS Support		SMB V1.0 and V2.0				NO	NO
ARM		Quad-core			Dual-core	Signal-core	Signal-core
MA Player	Local File Format Support	MP3 , WMA , WAV , AIF, AIFC, AIFF, AAC, FLAC, OGG, APE, ALAC, M4A, DSF, DFF				Not support	Not support
	PCM Sampling Rate	Up to 768kHz			Up to 384kHz	Up to 768kHz	Up to 768kHz
	DSD Sampling Rate	Up to 22.4MHz			Up to 11.2MHz	Up to 11.2MHz	Up to 11.2MHz
	AirPlay	AirPlay				AirPlay2	
	DLNA	YES				NO	
Roon Ready		YES			YES	YES	
MQA Support		Decoder+Renderer			Not Support	Not Support	Decoder+Renderer
IR Remote		YES					
Power Supply		NorateL Linear Power 40W	NorateL Linear Power 25W	Linear Power 30W	External AC Adapter 20W	NorateL Linear Power 20W	NorateL Linear Power 20W
Dimension		340×281×60mm	340×281×60mm	275×281×60mm	240×220×55mm	223×205×48mm	223×205×48mm
Net Weight		4.2kg	4.7Kg	3.7kg	1.5kg	1.7kg	1.7kg