

Products Comparison

	X14	X35	X45	X45Pro	X500	X50Pro	N15D	HA500H	
Production Status	New production	New production	New production	New production	New production	New production	New production	New production	
Basic Concept	All-in-One with compact size Main Server and Streamer (CD Ripper/Optional)	All-in-One with Full Size DAC Converter, CD Ripper and Streamer (CD Ripper/Optional)	World-Class Hi-Res Music Server, DAC Converter, CD Ripper and Streamer	Flagship Music Server with most advanced DAC (HiFi/ES9198PRO for Audiophiles)	Pure Digital Music Server, CD Ripper and Streamer	Premium Pure Digital Music Server, CD Ripper and Streamer for Audiophiles	USB DAC Converter, Music Storage, Streamer, HiFi Pre-Amplifier, USB DAC, powered by Vacuum Tubes and Solid State	Premium Hybrid Headphone Amplifier, Dual DAC, Pre-Amplifier, USB DAC, powered by Vacuum Tubes and Solid State	
CPU & Memory	Dual Core ARM Cortex-A8 1.0GHz Main Memory(1GBx2, DDR2 1066MHz) NAND Flash 8GBx2	Dual Core ARM Cortex-A8 1.0GHz Main Memory(1GBx2, DDR2 1066MHz) NAND Flash 8GBx2	Dual Core ARM Cortex-A8 1.0GHz Main Memory(1GBx2, DDR2 1066MHz) NAND Flash 8GBx2	Dual Core ARM Cortex-A8 1.0GHz Main Memory(1GBx2, DDR2 1066MHz) NAND Flash 8GBx2	Dual Core ARM Cortex-A8 1.0GHz Main Memory(1GBx2, DDR2 1066MHz) NAND Flash 8GBx2	Dual Core ARM Cortex-A8 1.0GHz Main Memory(1GBx2, DDR2 1066MHz) NAND Flash 8GBx2	Dual Core ARM Cortex-A8 1.0GHz Main Memory(1GBx2, DDR2 1066MHz) NAND Flash 8GBx2	Dual Core ARM Cortex-A8 1.0GHz Main Memory(1GBx2, DDR2 1066MHz) NAND Flash 16MB	
Ripping Function	Yes, but you need to prepare an USB Optical Disc Drive separately	Yes	Yes	Yes	Yes	Yes	No	No	
CD Drive	Optional(external USB CDD)	Yes	Yes	Yes	Yes	Yes	No	No	
Optional Media	CD, CD-DA, CD-R, CD-RW, DVD-R/RW	CD, CD-DA, CD-R, CD-RW, DVD-R/RW	CD, CD-DA, CD-R, CD-RW, DVD-R/RW	CD, CD-DA, CD-R, CD-RW, DVD-R/RW	CD, CD-DA, CD-R, CD-RW, DVD-R/RW	CD, CD-DA, CD-R, CD-RW, DVD-R/RW	No	No	
CD Metadata	Gracemote/youan/Free/SEI/RO for additional one year)	Gracemote/youan/Free/SEI/RO for additional one year)	Gracemote/youan/Free/SEI/RO for additional one year)	Gracemote/youan/Free/SEI/RO for additional one year)	Gracemote/youan/Free/SEI/RO for additional one year)	Gracemote/youan/Free/SEI/RO for additional one year)	No	No	
Album Cover Art	Gracemote, Bing, Google, Amazon, Digital, etc.	Gracemote, Bing, Google, Amazon, Digital, etc.	Gracemote, Bing, Google, Amazon, Digital, etc.	Gracemote, Bing, Google, Amazon, Digital, etc.	Gracemote, Bing, Google, Amazon, Digital, etc.	Gracemote, Bing, Google, Amazon, Digital, etc.	No	No	
Display on the front	5 inch Full Color TFT LCD (800 x 480 pixels)	7 inch Full Color TFT LCD (1024 x 600 pixels)	7 inch Full Color TFT LCD (1024 x 600 pixels)	7 inch Full Color TFT LCD (1024 x 600 pixels)	7 inch Full Color TFT LCD (1024 x 600 pixels)	7 inch Full Color TFT LCD (1024 x 600 pixels)	5 inch Full Color TFT LCD (800 x 480 pixels)	5 inch Full Color TFT LCD (800 x 480 pixels)	
Interface	Remote Control, Key & Jog GUI with 4.3 inch LCD	Remote Control, Key & Jog GUI with 7 inch LCD	Remote Control, Key & Jog GUI with 7 inch LCD	Remote Control, Key & Jog GUI with 7 inch LCD	Remote Control, Key & Jog GUI with 7 inch LCD	Remote Control, Key & Jog GUI with 7 inch LCD	WebInterface for Internet Explorer, Firefox, Chrome, Safari	Remote Control GUI with 5 inch LCD Key & Jog	
Supported Sample Rate	PCM 320x384kHz DSD 240x512/280Hz DSD64/32/24MHz DS1285.6448MHz DSD256(1.2896MHz) MQA	PCM 320x384kHz DSD 240x512/280Hz DSD64/32/24MHz DS1285.6448MHz DSD256(1.2896MHz) MQA	PCM 320x384kHz DSD 240x512/280Hz DSD64/32/24MHz DS1285.6448MHz DSD256(1.2896MHz) MQA	PCM 320x384kHz DSD 240x512/280Hz DSD64/32/24MHz DS1285.6448MHz DSD256(1.2896MHz) MQA	PCM 320x384kHz DSD 240x512/280Hz DSD64/32/24MHz DS1285.6448MHz DSD256(1.2896MHz) MQA	PCM 320x384kHz DSD 240x512/280Hz DSD64/32/24MHz DS1285.6448MHz DSD256(1.2896MHz) MQA	PCM 320x384kHz DSD 240x512/280Hz DSD64/32/24MHz DS1285.6448MHz DSD256(1.2896MHz) MQA	PCM 320x384kHz DSD 240x512/280Hz DSD64/32/24MHz DS1285.6448MHz DSD256(1.2896MHz) MQA	PCM 320x384kHz DSD 240x512/280Hz DSD64/32/24MHz DS1285.6448MHz DSD256(1.2896MHz) MQA
DAC Converter	ESS ES9018K2M, Sabre [®] up to 320x/384kHz	ESS ES9018K2M, Sabre [®] DAC for left and right + up to 320x/384kHz	Dual ESS ES9018K2M, Sabre [®] DAC	SABRE PRO Flagship ES9018PRO DAC chip supporting up to PCM 768kHz/24bit	No	No	ESS ES9018K2M, Sabre [®] up to 320x/384kHz	Dual ESS ES9018K2M, Sabre [®] DAC for left and right + up to 320x/384kHz	
Outlook	Clock Outlook	TCXO	TCXO	TCXO	TCXO	TCXO	Clock Outlook	TCXO	
Encoder for front	Incremental/mechanical type	Incremental/mechanical type	Incremental/mechanical type	High Quality Optical Encoder from Gayathri	Incremental/mechanical type	Incremental/mechanical type	Incremental/mechanical type	Incremental/mechanical type	
Speaker Out	TI TAS715 30W x 30W @ 16Ω, Both, 1% THD	Dual Digital Amplifiers built-in 100W x 100W @ 16Ω, Both, 0.1% THD	No	No	No	No	No	No	
Headphone	3.5mm Jack on the Front 150mW+150mW@16Ω, 600ohm, 0.1% THD	3.5mm Jack on the Front 100mW+100mW@16Ω, 600ohm, 0.1% THD	3.5mm Jack on the Front 100mW+100mW@16Ω, 600ohm, 0.1% THD	3.5mm Jack on the Front 100mW+100mW@16Ω, 600ohm, 0.066% THD	3.5mm Jack on the Front 100mW+100mW@16Ω, 600ohm, 0.066% THD	3.5mm Jack on the Front 100mW+100mW@16Ω, 600ohm, 0.066% THD	3.5mm Jack on the Front 80mW+80mW@16Ω, 600ohm, 0.1% THD	Balanced/XLR and Unbalanced Headphone Out available (** Refer to HA500H spec sheet for detailed information)	
Analut Out	PRE (OUT) RCA Dynamic Range 130dB Max 2Vrms, Stereo) Volume Variable/Filtered optional	Pre-OUT, RCA Dynamic Range 120dB THD+NMax 2Vrms, Stereo), 17dB DR Unbalanced(Pre-Out) RCA/A, Dynamic Range 120dB THD+NMax 2Vrms, Stereo), 17dB DR Volume Variable/Filtered optional	Balanced(Pre-Out) XLR, Dynamic Range 120dB THD+NMax 4.5Vrms, Stereo), 17dB DR Unbalanced(Pre-Out) RCA/A, Dynamic Range 120dB THD+NMax 2Vrms, Stereo), 17dB DR Volume Variable/Filtered optional	Balanced(Pre-Out) XLR, Dynamic Range 137dBMax 6Vrms, Stereo) Unbalanced(Pre-Out) RCA/A, Dynamic Range 137dBMax 2Vrms, Stereo) Volume Variable/Filtered optional	No	No	Unbalanced(Pre-Out) RCA/A, Dynamic Range 120dB THD+NMax 2Vrms, Stereo), 17dB DR Volume Variable/Filtered optional	Dynamic Range 130dBMax 4Vrms/8Vrms, Stereo) THD+N:0.0006% Unbalanced(Pre-Out) RCA/A, Dynamic Range 130dB Max 2Vrms/4Vrms, Stereo), THD+N:0.0006%	
Digital Out	ToSlink x 1 240x/192kHz Coaxial x 1(75ohm RCA) 240x/192kHz Volume Variable/Filtered optional	Coaxial x 1(75ohm RCA) 240x/192kHz AES/EBU XLR 110ohm x 1 240x/192kHz USB Audio x 1 USB Audio Class2.0 HDMI Out x 1 HDMI Audio Out Shared with HDMI Out for external screen	ToSlink x 1 240x/192kHz Coaxial x 1(75ohm RCA) 240x/192kHz AES/EBU XLR 110ohm x 1 240x/192kHz Volume Variable/Filtered optional USB Audio Out x 1 USB Audio Class 2.0	ToSlink x 1 240x/192kHz Coaxial x 1(75ohm RCA) 240x/192kHz AES/EBU XLR 110ohm x 1 240x/192kHz Volume Variable/Filtered optional USB Audio Out x 1 USB Audio Class 2.0	ToSlink x 1 240x/192kHz Coaxial x 1(75ohm RCA) 240x/192kHz AES/EBU XLR 110ohm x 1 240x/192kHz USB Audio Class 2.0 Out x 1 + up to DSD256(DSD Native) I2S(ARM) x 1 + up to DSD256(DSD Native) Word Clock x 1 up to 192kHz	ToSlink x 1 240x/192kHz Coaxial x 1(75ohm RCA) 240x/192kHz AES/EBU XLR 110ohm x 1 240x/192kHz USB Audio Class 2.0 Out x 1 + up to DSD256(DSD Native) I2S(ARM) x 1 + up to DSD256(DSD Native) Word Clock x 1 up to 192kHz	ToSlink x 1 240x/192kHz Coaxial x 1(75ohm RCA) 240x/192kHz	No	
Bluetooth	Yes(Bluetooth Receiver) aptX support	No	No	No	No	No	No	No	
12V Trigger	No	Yes	Yes	Yes	Yes	Yes	No	No	
Analut In	L/R RCA, default 2Vrms (controllable 1-4Vrms) AES/EBU	Line In x 1, L/R RCA, default 2Vrms (controllable 1-4Vrms) AES/EBU x 1 3.5mm Jack, default 11Vrms (controllable 0.5-2Vrms)	Line In x 1, L/R RCA 2Vrms AES/EBU x 1 3.5mm Jack, 800mVrms	Line In x 1, L/R RCA 2Vrms AES/EBU x 1 3.5mm Jack, 800mVrms	Line In x 1, L/R RCA 2Vrms AES/EBU x 1 3.5mm Jack, 800mVrms	Line In x 1, L/R RCA 2Vrms AES/EBU x 1 3.5mm Jack, 800mVrms	Line In x 1, L/R RCA 2Vrms AES/EBU x 1 3.5mm Jack, 800mVrms	Line In x 1, L/R RCA 2Vrms AES/EBU x 1 3.5mm Jack, 800mVrms	
Phono In	No	Phono In x 1 1MM input default 7.5mVrms, (controllable 3.75 - 15mVrms)	Yes(Phono Input, MM, default 7.5mVrms, LR RCA) (Controllable 3.75 - 15mVrms)	No	No	No	No	No	
Digital In	No	ToSlink x 1 240x/192kHz Coaxial x 1(75ohm RCA) 240x/192kHz AES/EBU XLR x 1 240x/192kHz	ToSlink x 1 240x/192kHz Coaxial x 1(75ohm RCA) 240x/192kHz AES/EBU XLR x 1 240x/192kHz	ToSlink x 1 240x/192kHz Coaxial x 1(75ohm RCA) 240x/192kHz AES/EBU XLR x 1 240x/192kHz	ToSlink x 1 240x/192kHz Coaxial x 1(75ohm RCA) 240x/192kHz AES/EBU XLR x 1 240x/192kHz	ToSlink x 1 240x/192kHz Coaxial x 1(75ohm RCA) 240x/192kHz AES/EBU XLR x 1 240x/192kHz	ToSlink x 1 240x/192kHz Coaxial x 1(75ohm RCA) 240x/192kHz	ToSlink x 1 240x/192kHz Coaxial x 1(75ohm RCA) 240x/192kHz AES/EBU XLR x 1 240x/192kHz	
USB Audio Input (USB DAC)	No	USB B type connector, USB Audio Class 2.0 input support up to PCM 384kHz/24bit, DSD Native 512, MQA	USB B type connector, USB Audio Class 2.0 input support up to PCM 384kHz/24bit, DSD Native 512, MQA	USB B type connector, USB Audio Class 2.0 input support up to PCM 384kHz/24bit, DSD Native 512, MQA	USB B type connector, USB Audio Class 2.0 input support up to PCM 384kHz/24bit, DSD Native 512, MQA	USB B type connector, USB Audio Class 2.0 input support up to PCM 384kHz/24bit, DSD Native 512, MQA	USB B type connector, USB Audio Class 2.0 input support up to PCM 384kHz/24bit, DSD Native 512, MQA	USB B type connector, USB Audio Class 2.0 input support up to PCM 384kHz/24bit, DSD Native 512, MQA	
DAB-Tuner	No	DAB/DAB+, Full Band III frequency range (174~240MHz), MP2 audio 32 to 384kbps, AAC+HE AAC+ according to ETSI TS 102 633	DAB/DAB+, Full Band III frequency range (174~240MHz), MP2 audio 32 to 384kbps, AAC+HE AAC+ according to ETSI TS 102 633	DAB/DAB+, Full Band III frequency range (174~240MHz), MP2 audio 32 to 384kbps, AAC+HE AAC+ according to ETSI TS 102 633	DAB/DAB+, Full Band III frequency range (174~240MHz), MP2 audio 32 to 384kbps, AAC+HE AAC+ according to ETSI TS 102 633	DAB/DAB+, Full Band III frequency range (174~240MHz), MP2 audio 32 to 384kbps, AAC+HE AAC+ according to ETSI TS 102 633	DAB/DAB+, Full Band III frequency range (174~240MHz), MP2 audio 32 to 384kbps, AAC+HE AAC+ according to ETSI TS 102 633	DAB/DAB+, Full Band III frequency range (174~240MHz), MP2 audio 32 to 384kbps, AAC+HE AAC+ according to ETSI TS 102 633	
FM Tuner	No	FM Radio RDS Tuning Range(FM 87.5~108MHz) FM Antenna input impedance 75ohm unbalance	FM Radio RDS Tuning Range(FM 87.5~108MHz) FM Antenna input impedance 75ohm unbalance	FM Radio RDS Tuning Range(FM 87.5~108MHz) FM Antenna input impedance 75ohm unbalance	FM Radio RDS Tuning Range(FM 87.5~108MHz) FM Antenna input impedance 75ohm unbalance	FM Radio RDS Tuning Range(FM 87.5~108MHz) FM Antenna input impedance 75ohm unbalance	FM Radio RDS Tuning Range(FM 87.5~108MHz) FM Antenna input impedance 75ohm unbalance	FM Radio RDS Tuning Range(FM 87.5~108MHz) FM Antenna input impedance 75ohm unbalance	
Connectivity	3.0 USB Host Port(SVTA) x 2 2.0 USB Host Port(SVTA) x 1 Giga Fast Ethernet LAN(10/100/1000Mbps) Optional: 801.11b/g/n WiFi USB Dongle HDMI Out for external screen	3.0 USB Host Port(SVTA) x 2 2.0 USB Host Port(SVTA) x 1 Giga Fast Ethernet LAN(10/100/1000Mbps) Optional: 801.11b/g/n WiFi USB Dongle HDMI Out for external screen	3.0 USB Host Port(SVTA) x 2 2.0 USB Host Port(SVTA) x 1 Giga Fast Ethernet LAN(10/100/1000Mbps) Optional: 801.11b/g/n WiFi USB Dongle HDMI Out for external screen	3.0 USB Host Port(SVTA) x 2 2.0 USB Host Port(SVTA) x 1 Giga Fast Ethernet LAN(10/100/1000Mbps) Optional: 801.11b/g/n WiFi USB Dongle HDMI Out for external screen	3.0 USB Host Port(SVTA) x 2 2.0 USB Host Port(SVTA) x 1 Giga Fast Ethernet LAN(10/100/1000Mbps) Optional: 801.11b/g/n WiFi USB Dongle HDMI Out for external screen	3.0 USB Host Port(SVTA) x 2 2.0 USB Host Port(SVTA) x 1 Giga Fast Ethernet LAN(10/100/1000Mbps) Optional: 801.11b/g/n WiFi USB Dongle HDMI Out for external screen	3.0 USB Host Port(SVTA) x 2 2.0 USB Host Port(SVTA) x 1 Giga Fast Ethernet LAN(10/100/1000Mbps) Optional: 801.11b/g/n WiFi USB Dongle HDMI Out for external screen	3.0 USB Host Port(SVTA) x 2 2.0 USB Host Port(SVTA) x 1 Giga Fast Ethernet LAN(10/100/1000Mbps) Optional: 801.11b/g/n WiFi USB Dongle HDMI Out for external screen	3.0 USB Host Port(SVTA) x 2 2.0 USB Host Port(SVTA) x 1 Giga Fast Ethernet LAN(10/100/1000Mbps) Optional: 801.11b/g/n WiFi USB Dongle HDMI Out for external screen
Supported Storage	3000 3.5" SATA 2.5" SATA Hard Disk 3.5" SATA Hard Disk Maximum capacity up to 8TB Supported file system: NTFS or Linux	3000 3.5" SATA 2.5" SATA Hard Disk 3.5" SATA Hard Disk Maximum capacity up to 8TB Supported file system: NTFS or Linux	3000 3.5" SATA 2.5" SATA Hard Disk 3.5" SATA Hard Disk Maximum capacity up to 8TB Supported file system: NTFS or Linux	3000 3.5" SATA 2.5" SATA Hard Disk 3.5" SATA Hard Disk Maximum capacity up to 8TB Supported file system: NTFS or Linux	3000 3.5" SATA 2.5" SATA Hard Disk 3.5" SATA Hard Disk Maximum capacity up to 8TB Supported file system: NTFS or Linux	3000 3.5" SATA 2.5" SATA Hard Disk 3.5" SATA Hard Disk Maximum capacity up to 8TB Supported file system: NTFS or Linux	3000 3.5" SATA 2.5" SATA Hard Disk 3.5" SATA Hard Disk Maximum capacity up to 8TB Supported file system: NTFS or Linux	3000 3.5" SATA 2.5" SATA Hard Disk 3.5" SATA Hard Disk Maximum capacity up to 8TB Supported file system: NTFS or Linux	3000 3.5" SATA 2.5" SATA Hard Disk 3.5" SATA Hard Disk Maximum capacity up to 8TB Supported file system: NTFS or Linux
Hard System	No	Yes	Yes	Yes	Yes	Yes	No	Yes	
MQA Playback	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	
Codec & Format	DS64/4/28/256 DFF/DSF, MQA up to PCM 320x/384kHz APR/CLE HD FLAC24(192kHz) HD WAV24(192kHz) DSD, FLAC, WAV, ALAC, AIF, AF, AAC, MA4, MP3, VMA, Ogg, PCM, Play(M3U), PLS	DS64/4/28/256 DFF/DSF, MQA up to PCM 320x/384kHz APR/CLE HD FLAC24(192kHz) HD WAV24(192kHz) DSD, FLAC, WAV, ALAC, AIF, AF, AAC, MA4, MP3, VMA, Ogg, PCM, Play(M3U), PLS	DS64/4/28/256 DFF/DSF, MQA up to PCM 320x/384kHz APR/CLE HD FLAC24(192kHz) HD WAV24(192kHz) DSD, FLAC, WAV, ALAC, AIF, AF, AAC, MA4, MP3, VMA, Ogg, PCM, Play(M3U), PLS	DS64/4/28/256 DFF/DSF, MQA up to PCM 320x/384kHz APR/CLE HD FLAC24(192kHz) HD WAV24(192kHz) DSD, FLAC, WAV, ALAC, AIF, AF, AAC, MA4, MP3, VMA, Ogg, PCM, Play(M3U), PLS	DS64/4/28/256 DFF/DSF, MQA up to PCM 320x/384kHz APR/CLE HD FLAC24(192kHz) HD WAV24(192kHz) DSD, FLAC, WAV, ALAC, AIF, AF, AAC, MA4, MP3, VMA, Ogg, PCM, Play(M3U), PLS	DS64/4/28/256 DFF/DSF, MQA up to PCM 320x/384kHz APR/CLE HD FLAC24(192kHz) HD WAV24(192kHz) DSD, FLAC, WAV, ALAC, AIF, AF, AAC, MA4, MP3, VMA, Ogg, PCM, Play(M3U), PLS	DS64/4/28/256 DFF/DSF, MQA up to PCM 320x/384kHz APR/CLE HD FLAC24(192kHz) HD WAV24(192kHz) DSD, FLAC, WAV, ALAC, AIF, AF, AAC, MA4, MP3, VMA, Ogg, PCM, Play(M3U), PLS	DS64/4/28/256 DFF/DSF, MQA up to PCM 320x/384kHz APR/CLE HD FLAC24(192kHz) HD WAV24(192kHz) DSD, FLAC, WAV, ALAC, AIF, AF, AAC, MA4, MP3, VMA, Ogg, PCM, Play(M3U), PLS	DS64/4/28/256 DFF/DSF, MQA up to PCM 320x/384kHz APR/CLE HD FLAC24(192kHz) HD WAV24(192kHz) DSD, FLAC, WAV, ALAC, AIF, AF, AAC, MA4, MP3, VMA, Ogg, PCM, Play(M3U), PLS
Network Protocols	DLNA/UPnP Server/Client/Renderer,amba Server/Client,FTP Server,Web Server	DLNA/UPnP Server/Client/Renderer,amba Server/Client,FTP Server,Web Server	DLNA/UPnP Server/Client/Renderer,amba Server/Client,FTP Server,Web Server	DLNA/UPnP Server/Client/Renderer,amba Server/Client,FTP Server,Web Server	DLNA/UPnP Server/Client/Renderer,amba Server/Client,FTP Server,Web Server	DLNA/UPnP Server/Client/Renderer,amba Server/Client,FTP Server,Web Server	DLNA/UPnP Server/Client/Renderer,amba Server/Client,FTP Server,Web Server	DLNA/UPnP Server/Client/Renderer,amba Server/Client,FTP Server,Web Server	
Internet Radio & Podcasting	Internet Radio from Airable Podcast from Airable	Internet Radio from Airable Podcast from Airable	Internet Radio from Airable Podcast from Airable	Internet Radio from Airable Podcast from Airable	Internet Radio from Airable Podcast from Airable	Internet Radio from Airable Podcast from Airable	Internet Radio from Airable Podcast from Airable	Internet Radio from Airable Podcast from Airable	
Recording	Yes(Analog In, Internet Radio) 48/96/192kHz, 24bit	Yes(Analog In, Digital In, FM/Radio) 48/96/192kHz, 24bit	Yes(Radio, FM Radio, DAB+) 48/96/192kHz, 24bit	Yes(Radio, FM Radio, DAB+) 48/96/192kHz, 24bit	Yes(Radio, FM Radio, DAB+) 48/96/192kHz, 24bit	Yes(Radio, FM Radio, DAB+) 48/96/192kHz, 24bit	Yes(Radio, FM Radio, DAB+) 48/96/192kHz, 24bit	Yes(Radio, FM Radio, DAB+) 48/96/192kHz, 24bit	Yes(Radio, FM Radio, DAB+) 48/96/192kHz, 24bit
CD Burning Function	Yes(Optional, you need to prepare an external USB Disk Drive)	Yes(Audio CD Burning)	Yes(Audio CD Burning)	Yes(Audio CD Burning)	Yes(Audio CD Burning)	Yes(Audio CD Burning)	No	No	
Streaming	Yes	Yes	Yes	Yes	Yes	Yes	No	No	
Streaming playback from NAS	DS64/4/28 and up to PCM 240x/192kHz DSD256(1.2896MHz)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Online Music Services	Spotify Connect, TIDAL, Deezer, Qobuz, Napster, HighResAudio, Amazon Music	Spotify Connect, TIDAL, Deezer, Qobuz, Napster, HighResAudio, Amazon Music	Spotify Connect, TIDAL, Deezer, Qobuz, Napster, HighResAudio, Amazon Music	Spotify Connect, TIDAL, Deezer, Qobuz, Napster, HighResAudio, Amazon Music	Spotify Connect, TIDAL, Deezer, Qobuz, Napster, HighResAudio, Amazon Music	Spotify Connect, TIDAL, Deezer, Qobuz, Napster, HighResAudio, Amazon Music	Spotify Connect, TIDAL, Deezer, Qobuz, Napster, HighResAudio, Amazon Music	Spotify Connect, TIDAL, Deezer, Qobuz, Napster, HighResAudio, Amazon Music	
Room support	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	
Cooling Method	Passive Passive Cooling System	Passive Passive Cooling System	Passive Passive Cooling System	Passive Passive Cooling System	Passive Passive Cooling System	Passive Passive Cooling System	Passive Passive Cooling System	Passive Passive Cooling System	
Power Source	AC/DC Power Adapter with design Toroidal Transformer for Analut Switch Mode Power Supply for Digital AC120V-240V, 50/60Hz for Europe AC110V-120V, 50/60Hz for North America, Japan and Taiwan	AC/DC Power Adapter with design Toroidal Transformer for Analut Switch Mode Power Supply for Digital AC120V-240V, 50/60Hz for Europe AC110V-120V, 50/60Hz for North America, Japan and Taiwan	AC/DC Power Adapter with design Toroidal Transformer for Analut Switch Mode Power Supply for Digital AC120V-240V, 50/60Hz for Europe AC110V-120V, 50/60Hz for North America, Japan and Taiwan	AC/DC Power Adapter with design Toroidal Transformer for Analut Switch Mode Power Supply for Digital AC120V-240V, 50/60Hz for Europe AC110V-120V, 50/60Hz for North America, Japan and Taiwan	AC/DC Power Adapter with design Toroidal Transformer for Analut Switch Mode Power Supply for Digital AC120V-240V, 50/60Hz for Europe AC110V-120V, 50/60Hz for North America, Japan and Taiwan	AC/DC Power Adapter with design Toroidal Transformer for Analut Switch Mode Power Supply for Digital AC120V-240V, 50/60Hz for Europe AC110V-120V, 50/60Hz for North America, Japan and Taiwan	AC/DC Power Adapter with design Toroidal Transformer for Analut Switch Mode Power Supply for Digital AC120V-240V, 50/60Hz for Europe AC110V-120V, 50/60Hz for North America, Japan and Taiwan	AC/DC Power Adapter with design Toroidal Transformer for Analut Switch Mode Power Supply for Digital AC120V-240V, 50/60Hz for Europe AC110V-120V, 50/60Hz for North America, Japan and Taiwan	AC/DC Power Adapter with design Toroidal Transformer for Analut Switch Mode Power Supply for Digital AC120V-240V, 50/60Hz for Europe AC110V-120V, 50/60Hz for North America, Japan and Taiwan
Housing	Plastic Injection Rear: Pressing with steel Front: Aluminum(3mm thickness) Top/Side/Rear: Pressing with steel	Aluminum x 300x x 100mmx95 without foot	Aluminum x 300x x 100mmx95 without foot	Aluminum x 300x x 118mmx95 without foot	Aluminum x 300x x 118mmx95 without foot	Aluminum x 300x x 118mmx95 without foot	Aluminum x 300x x 118mmx95 without foot	Aluminum x 300x x 118mmx95 without foot	High quality and beautiful glass-sanding finish, fabricated by CNC machine Front: Aluminum with beautiful glass-sanding finish, fabricated by CNC machine Top/Side/Rear: Full aluminum by CNC cutting Aluminum x 180x x 110mmx95 with foot
Others	No	No	No	No	No	No	No	No	
	X14	X35	X45	X45Pro	X50/X50D	X50Pro	N15D	HA500H	