

Product Specifications

1. Specifications

Part		Specifications
OS		Customized Android 7.1
Design	Size	278(W) x 231(D) x 83(H)mm
	Weight	3.2kg
	Display	8.8” TFT LCD & Capacitive Touch Screen (MIPI-DSI)
CPU	Hexa Core CPU	Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz
GPU		Mali-T864 GPU, OpenGL ES1.1/2.0/3.0/3.1, OpenVG1.1, OpenCL, DX11
Memory		LPDDR4 4GByte
Network Connection	Ethernet	10/100/1000 BASE-T
	WiFi	802.11 a/b/g/n/ac (2.4GHz/5GHz)
	Bluetooth	V4.0 / V3.0+HS
Audio Service	Streaming	Airplay / DLNA / Roon Ready / Spotify Connect / Bluetooth
	Music Service	TIDAL / Qobuz / Bugs / ROSE Tube / Internet Radio / ROSE Podcast / Apple Music
In/Output	Audio Input	Optical x 1, Coaxial x 1, Analog-In x 1, USB DAC x 1
	Audio Output	Optical x 1, Coaxial x 1, Analog-Out x 1
	Video Output	HDMI 2.0 x 1(up to 3840 x 2160 / 60Hz)
	Media Connection	File System : NTFS / exFAT / FAT32 Network Protocol : SMBv1, SMBv2 / FTP / WebDav Storage Interface : USB3.0 x 2, SATA x 1
Supported Codec	Audio	MQA, WAV, FLAC, AIFF, WMA, MP3, OGG, APE, DFF, DSF, AAC, CDA, AMR, APE, EC3, E-EC3, MID, MPL, MP2, MPC, MPGA, M4A, ALAC PCM : 8kHz~768kHz(8/16/24/32bit per Sample) Native DSD : DSD64(2.8MHz)/DSD128(5.6MHz)/DSD256(11.2MHz)/ DSD512(22.4MHz)
	Video	ASF, AVI, MKV, MP4, WMV, MPEG-1, MPEG-2, MPEG-4 H.263, H.264, H.265, VC-1, VP9, VP8, MVC, H.264/AVC, Base/Main/High/High10 profile @ level5.1 up to 4Kx2K @ 30fps H.265/HEVC, Main/Main10 profile @ level 5.1 High-tier up to 4Kx2K @ 60fps

Power	Input Voltage	AC100-120, AC220-240V 50/60Hz
	Power Consumption	50W
	Fuse	T3.15AL / 250V
Update		SW update via internet, USB OTA, ROSE Store
Remote Control Feature	Remote Controller	Bluetooth Remote Controller
	Remote App	ROSE Connect (Android, iOS) / Google PlayStore, App Store
Accessory		Power Cord x 1, Bluetooth Remote Controller x 1 (AAA Battery x 2), Manual x 1, SSD Screw x 4

2. Analog Audio Specifications

DAC Chip	
ES9028PRO(ESS) 8-Channel Audio DAC	
Analog In	
Input Impedance	100k Ω
Input Frequency Response	17Hz ~ 80kHz (+/-1dB)
Maimum Input Level(20Hz ~ 20kHz)	Max 2.0Vrms
Preout	
DAC Chip	ES9028PRO x1
Output level	Max 2.2Vrms, Unbalanced
THD	0.00028%(1kHz 2.25Vrms Unbalanced Output)
THD + N	0.0003%(1kHz 2.25Vrms Unbalanced Output)
Signal to Noise Ratio	122dB(A-wt)
Dynamic Range	135dB(CCITT filter)
Stereo Crosstalk	Better than -137dB, 20Hz ~ 20kHz
Output Impedance	150 Ω
Headphone	
Output Power	1Vrms /32 Ω (MAX 2Vrms/300 Ω)
Output Impedance	16 Ω ~600 Ω
Signal to noise Ratio	108dB (600 Ω)
Total Harmonic Distortion	0.006%(600 Ω)

Quality Guaranteed

Model Name	RS250A			
Date of Purchase	20	Year	Month	Date
Place of Purchase	Firm Name			
	Telephone			
Serial No.				
Telephone				
Term of Guarantee	1 Year from the Date of Purchase			

- Name of the company that received the Conformity Assessment : Citech Co., Ltd.
- Manufacturer/Country of Manufacturer : Citech Co., Ltd./Korea
- Identification Code of the Certified Company: SYH
- Certification No. : R-R-SYH-250A