

Operation Description

- ®1 octcore one-core Arm Cortex-A76 up to 2.7GHz, forth-core Arm Cortex-A76 up to 2.3GHz, 4-core Arm Cortex-A55 up to 2.1GHz. 6nm EUV ; ®®
2. Built-in 4G wireless network, supporting TD-LTE / FDD-LTE / / HSPA (+) / WCDMA / HSPA (+) GSM / GPRS / EDGE;
 3. Support analog hd reversing / 360;
 4. USB supports extended HUB, supports BC1.2 protocol high current charging;
 5. DSP with high fidelity and low noise, with 36-segment EQ, surround sound;
 6. Support CarPlay / mobile phone interconnection;
 7. motherboard with TDA7708 radio module
 8. GPS / Beidou / GLONASS dual-mode navigation;
 - .09. Support Bluetooth 5, motherboard reserved optional plug-in Bluetooth;
 10. Support MIPI interface display screen, support 1024 * 600, 1024 * 768, 720 * 1280, 1920 * 1080, 1200 * 2000, 3840 * 2160 resolution;
 11. WIFI Support dual band 2.4 / 5 GHz 1x1 20 / 40 / 80 MHz IEEE 802.11a/b/g/n/ac;
 12. Standard intelligent voice voice control, support MP3 / AAC / ADPCM / AMR / AMR _ WB / FLAC, audio decoding;
 13. Support 1080 p @ 30 fps, 4 k @ 30 fps for multiple video decoding;
 14. Use LPDDR4X + UFS 3.0 configuration to support 12G + 256G storage;
 15. Support dp 1.4 and USB 3.0 TYPE-C interface;
 16. Level standard, low temperature-30 degrees, high temperature 70 degrees.

item of information		description
operating system		Android 13
CPU	Manufacturer and Model	UIS7870SC
	Chip process	6nm
	basic frequency	®Octacore (mono-core Arm Cortex-A76 up to 2.7GHz, tri-core Arm Cortex-A76 up to 2.3GHz, quad-core Arm Cortex-A55 up to 2.1GHz). ®®
GPU	model	®®Arm Mali -G57 4cores, up to 850MHz
RAM	Total RAM capacity	LPDDR4X 6GB (Scalable, 12G)
memory	Internal capacity	UFS 3.0 128 GB (scalsible 256G)
	Support for SD expansion and scope	Support for 1 SD card, ranging from 4 to 64 GB
	Support for USB expansion and scope	Support 1 USB, 4~64GB, motherboard can expand USB3.0
display screen	size	5~13 Inch
	resolution ratio	1024*600, 1024*768, 720*1280 1920*1080, 1200*2000, 3840*2160

	joggle	MIPI
	Dark color	16bit 24bit
touch screen	Whether the resistance screen is supported	deny
	Whether the capacitive screen is supported	yes
GPS	GPS(America)	support
	Beidou (China)	support
	GLONASS (Russia)	support
WIFI	Model number and support protocol	802.11a/b/g/n/ac Support for 5G WIFI
	Modulation Type	CCK, DQPSK, DBPSK for DSSS 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM
	Frequency	WiFi 2.4G: 2412 ~ 2472MHz WiFi 5G: 5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5700MHz, 5745 ~ 5825MHz
BT	Modulation Type	GFSK, $\pi/4$ DQPSK, 8DPSK for FHSS GFSK for DTS
	Frequency	2402 ~ 2480MHz
PDA	Model number and support protocol	specification v2.1 + EDR, v 5.0 Low Energy (LE), phone book download (plug-in Bluetooth optional: Realtek 8761BTV / QCC3031)
network	Model number and support protocol	Bring your own 4G
Video play	form	1080p@30fps/50Mbps ,4k@30fps 10bit(H.264) 1080p/30fps/40Mbps (MPEG-4/VP8/H.263DIVX4/DIVX5/DIVX6/XVID) 1080p@30fps/10Mbps(MPEG-2) 720p@30fps/1.6Mbps , 4k@30fps(VP9) 720p@30fps/4Mbps , 4k@60fps 8bit(H.265)
USB joggle	Channel and format	1 road, USB 2.0 motherboard can extension HUB, support BC1.2, USB3.0
SD joggle	channel	1-way, SD 3.0
Extended serial port	Channel and Porter rate	1 way, supporting Porter rate 115200
MIC import	Channel and format	1 Road simulation input
video in	Support format	Support 4 way CVBS / analog HD / support 4 way 360 panorama
video monitor 525 vidicon video out	Support output format	And DP1.4 transfer to HDMI
Audio input	channel	Direct processing on the motherboard, 4-channel audio input, with DSP
Audio output	channel	I2S output
Sound effect processing	model	Processing on the main board

tachograph	type	Support the USB dashcam function
working temperature	scope	-40℃~+85℃
working voltage	scope	9V~16V
The dormant current	Rapid wake-up current after ACC disconnection	≤9MA
Depth standby current	Current after a time after ACC break	≤3MA
GSM	GSM850 EGSM900 DCS1800 PCS1900	
WCDMA	BAND1 BAND2 BAND5 BAND8	
TDD-LTE	BAND34 BAND38 BAND39 BAND40 BAND41N	
FDD-LTE	BAND1 BAND2 BAND3 BAND5 BAND7 BAND8 BAND20 BAND28A BAND28B	
Modulation Type	GSM: GMSK, 8PSK WCDMA: BPSK, QPSK LTE: QPSK, 16QAM	
DSP	incoming channel	3 analog channel input, 5 I2S
	Channel function planning	TV/AUX/FM
	power	30W/14.4V
	EQ	Up to 36 independent segments, and the front and rear speakers can adjust the GAIN / Q value of each EQ
	Support scenarios	Standard, rock, soft, classical, pop, hall, jazz, theater, custom
	outgoing channel	4-channel output, plus heavy bass output, medium output fiber coaxial
	Does it support mixing	support
	sound effect	Surround sound, bass enhancement adjustment, bass filter adjustment Heavy bass is adjusted individually, with high fidelity and low noise
Crystal Oscillator		CRY-4, 12MHZ/20ppm
		CRY_4, 12.288M/20ppm
		CRY_4, 36.864MHz/10ppm
		CRY_4, 26MHz/10ppm

Mode	Frequency (MHz)	Antenna Type	Peak Gain (dBi)
BT	2402 ~ 2480	External Antenna	3.74
WiFi 2.4G	2412 ~ 2462	External Antenna	3.74
WiFi 5G	5180 ~ 5240	External Antenna	3.82
	5260 ~ 5320	External Antenna	3.82
	5500 ~ 5700	External Antenna	3.82
	5745 ~ 5825	External Antenna	3.82
GSM 850	824 ~ 849	External Antenna	2.18
GSM 1900	1850 ~ 1910	External Antenna	-1.00
WCDMA B2	1850 ~ 1910	External Antenna	-1.00
WCDMA B5	824 ~ 849	External Antenna	2.18
LTE B2	1850 ~ 1910	External Antenna	-1.00
LTE B5	824 ~ 849	External Antenna	2.18
LTE B7	2500 ~ 2570	External Antenna	-0.16
LTE B38	2570 ~ 2620	External Antenna	-0.09
LTE B40	2300 ~ 2400	External Antenna	-1.25
LTE B41	2496 ~ 2690	External Antenna	-0.09