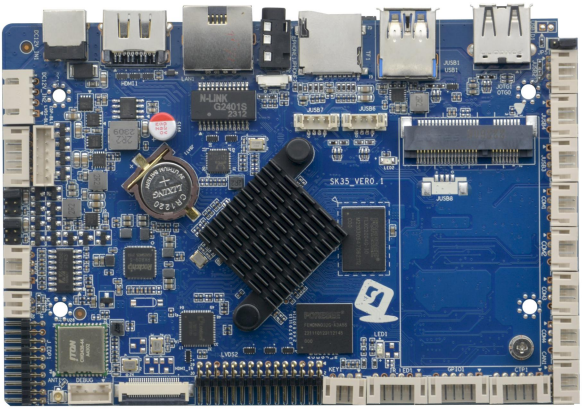
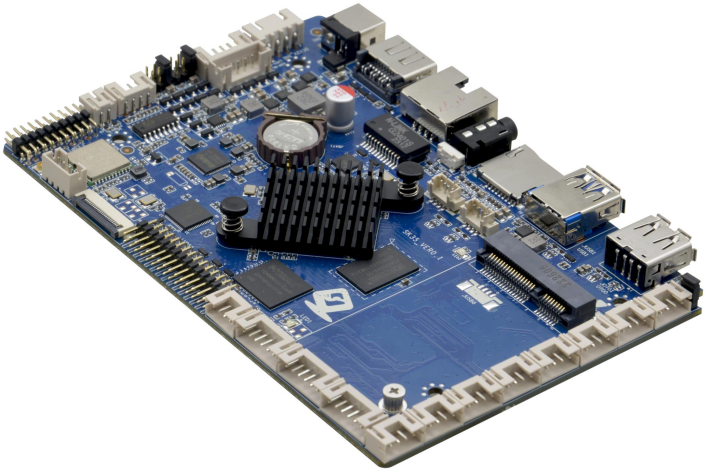
SK35 VER:1.0 Specification



SK35 VER1.0 Front View



SK35 VER1.0　IO View



SK35 VER1.0 Lateral View

研域 YENTEK

Model No.	SK35H
Processor	CPU Rockchip RK3568B2 Quad-core Cortex-A55 up to 2.0GHz processor
Chipset	Onboard RK3568B2 SOC, NPU：Up to 1.0TOPS
Memory	Onboard LPDDR4 4G memory (1GB/2GB/8GB optional)
Display	Onboard ARM Mali-G52 GPU, support OpenGL ES 1.1/2.0/3.2，OpenCL 2.0, Vulkan 1.1
	1*LVDS, 1* EDP, 1*HDMI-out, 1*HDMI-in
	Support dual independent display
Play Mode	Support looping, timed, and intermittent playback modes
LAN	1* 10M/100M/1000M Ethernet
Video Player	Support AVI（H.264、DIVX、DIVX、XVID）, rm，rmvb， MKV（H.264、DIVX、DIVX、XVID），WMV，MOV，MP4（.H.264、MPEG、DIVX、XVID），DAT（VCD），VOB（DVD ），PMP,MPEG，.MPG,， FLV（H.263，H.264），ASF ，TS， TP，3GP，MPG , etc.
WIFI、BT	1* Onboard WIFI/BT
GPS	1*External GPS（optional）
4G	1* MINI PCI-E slot, support 4G
Storage	1* eMMC 32G（8GB/16GB/64GB/128GB optional）
	1* TF slot, up to 128G
Audio	Supports left and right channel output, built-in dual 8R/5W amplifiers
Front I/O Port	1* 12V DC_In
	1* HDMI output, support 1080P 60Hz, 4k 30Hz
	1* 10M/100M/1000M Ethernet port
	1* Line-out（black）
	1* TF card / SIM slot（on back）
	1* USB3.0
	1* USB2.0 (OTG)
	1* LVDS port, 2*15pin, support dual channel 24BIT
	1* EDP port, 20pin
	1* MIPI input, 24pin, can use FPC to connect Mipi = HDMI input converter board (optional)
	1* Upgrade key
	1* Audio output port, support left and right channel output, with built-in dual 8R/5W amplifiers
	1* MIC
	3* USB2.0, 1*4pin PH=2.0mm
	2* USB2.0, PH=1.25mm, reserve
	1* I2C

Internal I/O	3* RS232 (can change to 3*TTL or 3*RS485)
	1* RS232 (can change to 1*TTL)
	1* Front panel power button 1*4pin
	1* Remote control head+indicator light interface, 1*4pin
	1* Serial port debugging connector
	1* CAN port (1*4pin)
Power Type	1* DC 12V
RTC	Support （built-in CR2032 battery）
Timing ON/OFF	Support
GPS	External GPS（optional）
GPIO	Support 4-in 4-out GPIO
OS	Android 11、Ubuntu20.04、debian10
OS Upgrade	Support SD card/computer updates
Operating Temp.	0℃～60℃
Storage Temp.	-20℃～70℃
Relative Humidity	5%-95% relative humidity, non-condensing
Dimension	135mm x 90mm, thickness 1.6mm
PCB	8 layers
Screw Hole	Ø3.0mm x 4

Order Information

NO.	Model	Processor	Frequency	Memory	EDP	HDMI	LVDS	eMMC	WIFI	LAN	USB	CAN	COM	Power
1	SK35A	RK3568B2	2.0G	1G	1	2	1	8G	1	1*1000M	8	1	4	DC12V
1	SK35B	RK3568B2	2.0G	2G	1	2	1	16G	1	1*1000M	8	1	4	DC12V
1	SK35H	RK3568B2	2.0G	4G	1	2	1	32G	1	1*1000M	8	1	4	DC12V
1	SK35E	RK3568B2	2.0G	4G	1	2	1	64G	1	1*1000M	8	1	4	DC12V
1	SK35K	RK3568B2	2.0G	4G	1	2	1	128G	1	1*1000M	8	1	4	DC12V