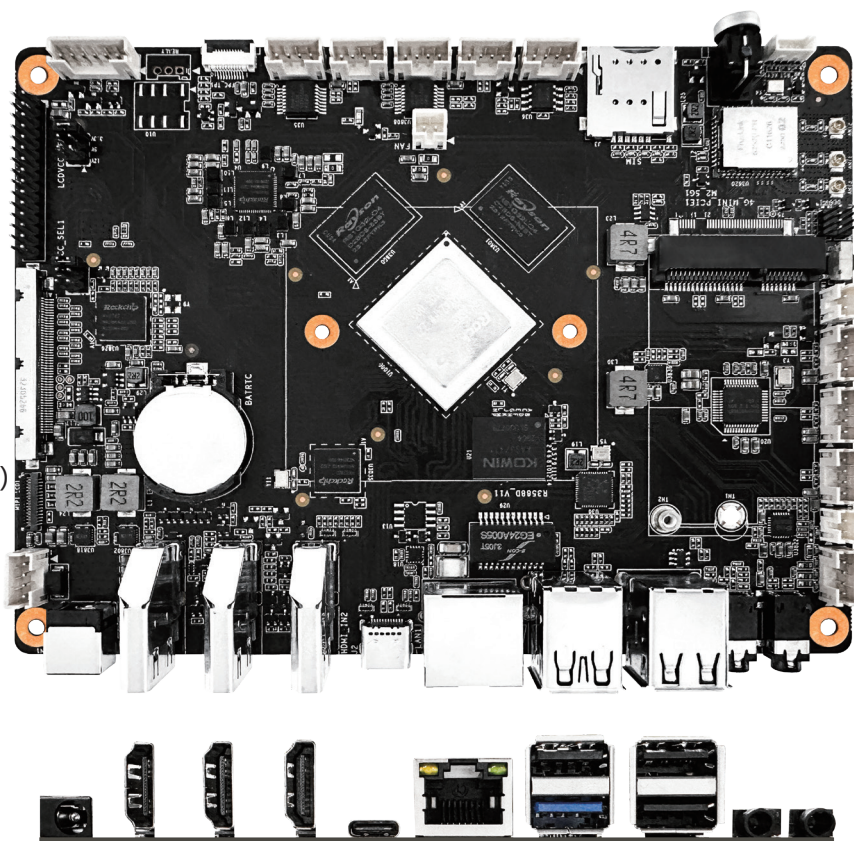


ZA-R3588D Motherboard

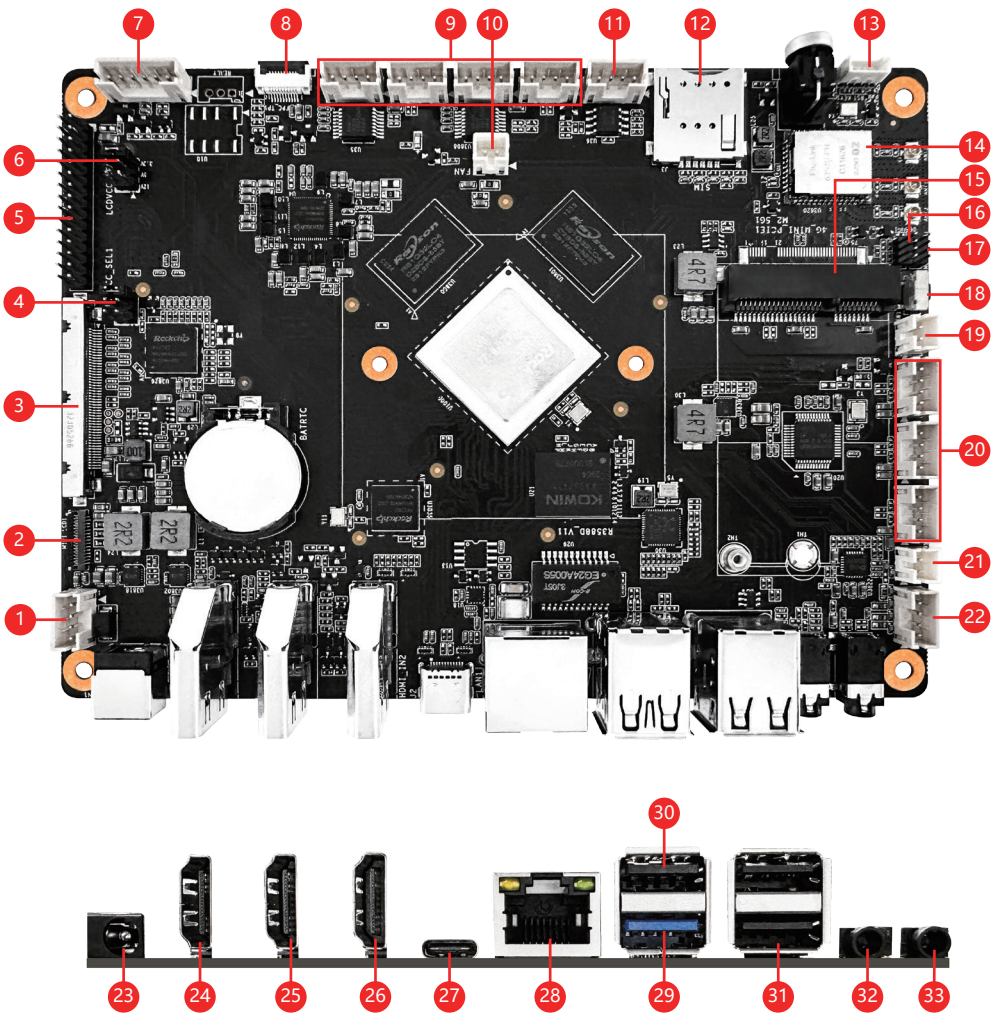
Product characteristics:

- RK3588 8nm Process, ARM 8cores 64-bit processor NPU 6TOPS
- Support 1*HDMI output, 2*HDMI input, 1*LVDS output, 1*V BY ONE output
- Support 6*USB2.0 (3 of them are built-in) 1*USB3.0,1*USB TYPE-C
- Support 1*LAN
(1Gbps/100Mbps/10Mbps Ethernet controller, Support 6G WIFI(Select the sticker), Support 4G module



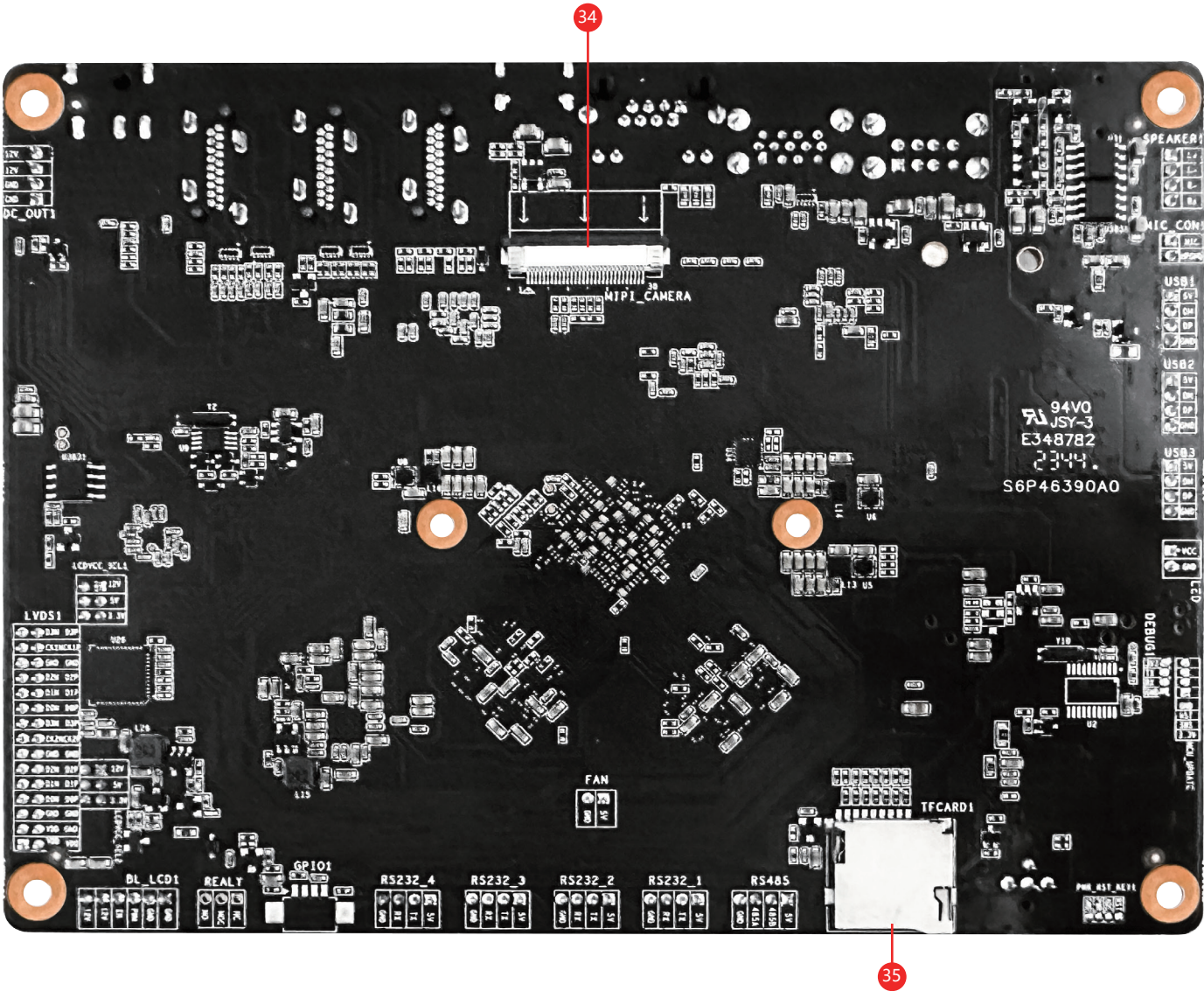
ZA-R3588D Motherboard Specifications

Size	153mm*115mm
CPU	Rockchip RK3588 8nm process, ARM 8core 64bit CPU, 2.4GHZ, 4core Cortex-A76+4core Cortex-A55)
GPU	Mail-G610 GPU 4core
RAM	LPDDR4/4X 8G (8G/16G/32G Optional)
EMMC	64G(Optional 64/128G)
Internal I/O	1*DC_OUT Pin 1*MIPI_LCD 1*V BY ONE interface 2*LCDVCC_SEL Jumper(1-2) 1*LVDS Pin 1*BL_LCD1 Pin 1*TP interface 4*RS232 Pin(1-4) 1*FAN Pin 1*RS485 Pin 1*PWR_RST_KEY Pin 1*DEBUG Pin 1*MCU_UPDATE Pin 1*LED Pin 3*USB2.0 Pin(1-3) 1*MIC_CON Pin 1*SPK Pin 1*MIPI_CAMERA Slot
Rear I/O	1*SIM Card slot 1*DC 12V interface 1*HDMI_OUT interface 1*HDMI_IN1 interface 1*HDMI_IN2 interface 1*TYPE-C interface 1*LAN interface 1*USB3.0 interface 3*USB2.0 interface 1*AUDIO interface 1*LINE IN interface 1*TF Card slot
LAN	1*1Gbps/100Mbps/10Mbps Ethernet Controller
WIFI	Support WIFI6,Support 4G MINI PCIE slot
Operating System	Android 12 system, Open root access allows for custom product development



1	DC_OUT Pin
2	MIPI_LCD
3	V BY ONE interface
4	LCDVCC_SEL1 Jumper
5	LVDS Pin
6	LCDVCC_SEL2 Jumper
7	BL_LCD1 Pin
8	TP interface
9	RS232 Pin(1-4)
10	FAN Pin
11	RS485 Pin
12	SIM Card slot
13	PWR_RST_KEY Pin
14	WIFI6 module
15	4G_MINI_PCIE slot
16	DEBUG Pin
17	MCU_UPDATE Pin
18	UPDATE Upgrade key
19	LED Pin
20	USB2.0 Pin(1-3)
21	MIC_CON Pin
22	SPK Pin

23	DC 12V interface	29	USB3.0 interface
24	HDMI_OUT interface	30	USB2.0 interface
25	HDMI_IN1 interface	31	USB2.0 interface
26	HDMI_IN2 interface	32	AUDIO interface
27	TYPE-C interface	33	LINE IN interface
28	LAN interface		



34	MIPI_CAMERA slot	35	TFCARD Card slot
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