

Product Specification

SA-8303

SA-8303 is built on octa-core processor and runs Linux, combining computing performance with versatile I/O connectivity. Designed for edge applications requiring stable operation and flexible integration, it is well-suited for scenarios involving media processing, remote monitoring, or multi-device coordination. Its adaptable architecture makes it ideal for use in smart displays, automation control, interactive education systems, and remote management platforms.



- Octa-core (4x Cortex-A76 + 4x Cortex-A55) processor
- Offers connectivity via Ethernet, Wi-Fi, Bluetooth, and optional 4G LTE
- Equipped with USB, HDMI, RS232, audio output, and SIM card interfaces
- Supports multi-channel display output, up to 7680×4320 @60Hz per port
- Supports Ethernet, Wi-Fi, and Bluetooth connectivity
- Equipped with multiple USB, RS232, and RS485 ports
- Designed with strong EMI resistance and system-level stability

System	
CPU	Octa-core (4x Cortex-A76 + 4x Cortex-A55)
GPU	ARM Mali-G610 MC4
RAM	8GB / 16GB (optional)
NPU	Supports up to 6 TOPS (INT8) AI performance
Storage	Storage 32GB / 64GB / 128GB / 256GB (optional)
Operating System	Linux
Internet Interface	Supports 10/100/1000M Ethernet Mobile Network 4G LTE (optional) WiFi IEEE 802.11b/g/n/ac
Bluetooth	Bluetooth 5.0
Power Supply	DC 12V 3A
Dimensions	L244 x W128 x H49.5 mm

I/O	
USB port	2 x USB 3.0 Type-A
	1 x USB Type-C
RS232 interface	2 x DB9 Male Ports
RS485 interface	1 x 4-pin 3.81mm Terminal Block
HDMI interface	1 x HDMI 4K 60HZ Output
	1 x HDMI 2.0 Input
DP interface	1 x DP Display Output (up to 7680×4320 @30Hz)
DC interface	1 x DC Input 12V (5.5x2.5mm Barrel Jack)
Audio interface	3.5mm Headphone Output
SIM	1 x SIM Card Slot
Expansion	1 x M.2 SSD Expansion Slot
Button	1 x Upgrade Button
Indicator Light	1 x Red · 1 x Blue

Operation & Certifications	
Operating Environment	Temperature: -20 to 60°C
	Humidity: 5% to 85% RH(non-condensing)
Storage Environment	Temperature: -20 to 70°C
	Humidity: 5% to 95%RH(non-condensing)
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