

G6-RK3588



Compact AI edge computer with powerful multimedia

Category	Specification
SoC	Rockchip RK3588 (4× Cortex-A76 + 4× Cortex-A55)
CPU	RK3588 Octa-core
GPU	Mali-G610
NPU	6 TOPS
Memory	8GB LPDDR4
Storage	64GB eMMC; M.2 2280 SSD (SATA or NVMe)
Hardware Codec	JPEG Encoder/Decoder; 8K Video Encoder (H.265/H.264); 8K 10-bit Decoder (H.265/H.264/VP9/AV1)
Display Interfaces	2× HDMI 2.1; heterogeneous display; 4K output; up to 8K@60Hz
Ethernet	Dual Gigabit Ethernet
Wireless	2.4G + 5G Dual-band WiFi + Bluetooth
USB	2× USB 3.0; 4× USB 2.0
RS232	2× RS232 (supports external RS485 conversion module)
Audio	3.5mm headphone out + 3.5mm mic in
SIM Slot	1× SIM slot; supports built-in 4G/5G module
Other I/O	Watchdog (customizable); RTC supported
Power Input	DC 12V – 3A
Buttons / Indicators	Red / Green
Enclosure Dimensions	Enclosure: 133 × 126 × 36.5 mm; Package: 245 × 190 × 60 mm
Net Weight	0.57 kg
Gross Weight	0.95 kg
Software Support	Ubuntu 22.04; Android 12; Debian 11
Operating Temperature	–10°C ~ 40°C
Storage Temperature	–10°C ~ 40°C
Humidity	0 ~ 85% RH (non-condensing)
Certifications	CE, 3C
Power Adapter	DC 12V – 3A
WiFi Antenna	SMA × 1
VESA Kit	VESA bracket ×1; screw pack ×1; foot pads ×4
Documentation	User manual ×1; Certificate of Conformity ×1
Optional – SSD	128/256/512GB SATA SSD; 128/256/512GB NVMe SSD (M.2 2280)
Optional – 4G Module Kit	Quectel EC2-EC LTE Cat4 module + antenna