

Industrial Edge Computing Host Specification

RU-IPC-3588-16-128-N8

1. Product Features:

1.1 High-Performance Core

RU-IPC-3588-16-128-Nis designed for video analytics, edge computing and PC cloud hosting, powered by Rockchip RK3588 octa-core processor. Supports Android 12/Ubuntu/Debian/HarmonyOS with a maximum clock speed of 2.4 GHz.

1.2 Industrial-Grade Design

Industrial-grade full aluminum alloy enclosure with dust resistance, shock resistance, anti-interference and excellent heat dissipation. Capable of operating in complex and harsh environments, ensuring stable, reliable and safe operation 24/7.

1.3 Application Scenarios

8-port Ethernet output, suitable for vehicle driving data and video compression processing with remote upload. (Note: two independent Ethernet ports, one of which connects to a 7-port switch)

2. Product Specifications

Model	RU-IPC-3588-16-128-N8
Dimensions	175 × 155 × 37 mm (L × W × H)
CPU	Rockchip RK3588, Octa-core Cortex-A76 + A55, up to 2.4 GHz
GPU	Mali-G610 GPU, OpenGL ES 1.1/2.0/3.2, OpenCL 2.2
NPU	6.0 Tops
Memory	LPDDR4 16G
Onboard eMMC	128GB
SSD	Supports M.2 PCIe NVMe SSD
Display Output	HDMI 2.1 × 1, up to 4K@30Hz output DP/Type-C output × 1 (shared Type-C port)
Audio	Line In × 1 (MIC), Line Out × 1, 3.5mm headphone jack × 1 supports 3-/4-pole headset
Network	Ethernet RJ45 × 8, 10/100/1000M (two independent Ethernet ports, one connects to a 7-port switch)
USB	USB 3.0 × 2, USB 2.0 × 2
Expansion Interface	M.2 interface × 1, Mini PCIe interface × 1
Power Adapter	Input: AC 100-240 V, 50-60 Hz; Output: DC 12 V, 5.5 mm / 2.1 mm DC jack, 3-5 A (surge voltage < 18 V, ripple < 100 mV); auto power-on startup
Operating Temp/Humidity	-20°C ~ +65°C, Relative Humidity < 85%
Operating System	Android / Ubuntu / Debian / HarmonyOS

3. Product Appearance

