

LH707-C0

ARM INDUSTRIAL COMPUTER

Rockchip RK3588 processor

2 x HDMI, 1 x Type-C
Up to 3840 x 2160 @60 Hz

Fanless design
Wide temperature and voltage

CPU

CPU	Rockchip RK3588 processor
Total Cores	4-Cores Cortex-A76 and 4-Cores Cortex-A55
NPU	6 TOPs, AI Accelerator Module: LM2-100, 25 TOPS (Optional)

Network

Network Controller	2 x Realtek RTL8211F
Ethernet Interface	2 x 1 GbE RJ45
Wi-Fi/BT	Onboard Wi-Fi5/BT4.2

System

System Memory	8 GB, Onboard LPDDR4x, dual-channels (Optional: 16 GB)
Storage	128 GB, Onboard eMMC (Optional: 64 GB)
	1 x M-Key M.2 (2280) PCIe 3.0, for NVMe SSD or AI Accelerator Module
Watchdog Timer	Yes
Auto Power On	Yes
RTC	Set up independently every day, a week as a cycle
Power Requirement	DC-IN, 12 ~ 19V
Dimensions	234mm x 150mm x 63.5mm (9.21” x 5.91” x 2.50”)
Construction	Metal, Grey
Cooling System	Fanless, passive cooling
Operating System	Ubuntu 22.04/Debian 12
Operating Temperature	-20°C ~60°C (-4°F~140°F) @0.7m/s Air Flow
Humidity	5% ~ 90% @40°C (non-condensing)
Certifications	CE, FCC Class B, UKCA

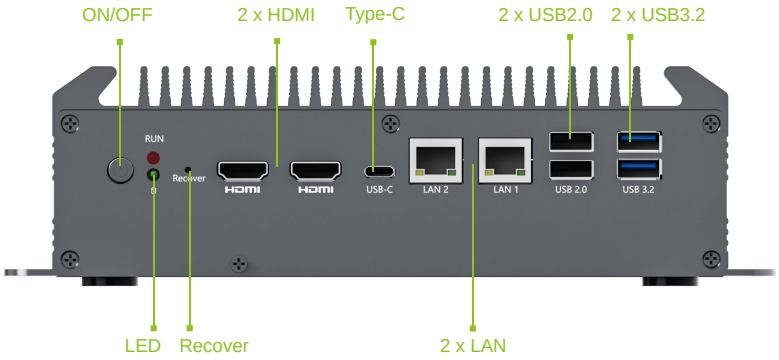
Display

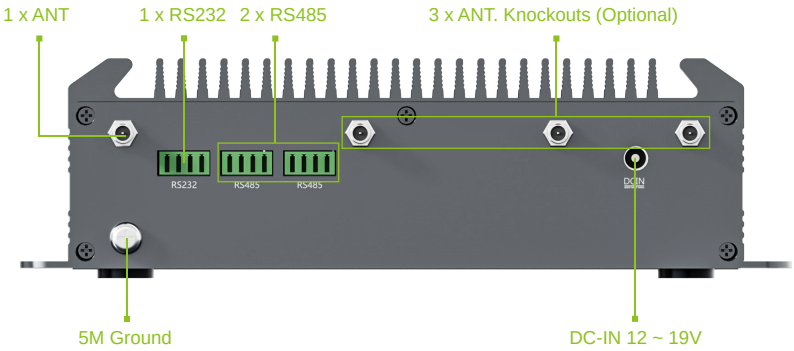
GPU	Mali-G610 MC4
Graphic Engine	OpenGL ES 1.1/2.0/3.2, OpenCL 1.1/1.2/2.0, Vulkan 1.1/1.2
Display Interface	2 x HDMI (Max. 3840×2160 @60Hz) 1 x Type-C (Max. 3840×2160 @60Hz)
# of Displays Supported	3

I/O interface

USB	2 x USB 3.2 Gen1, 2 x USB2.0 1 x USB Type-C (USB-OTG)
Serial Port	2 x RS485, 1 x RS232
Button	1 x Power on, 1 x Recovery, 1 x 5M Ground
Antenna	1 x Wi-Fi/BT Connector (4G Connector reserved)

Dimensions and Drawing





Order information

LH707-C0	CPU: Rockchip RK3588 processor RAM: 8 GB, Onboard LPDDR4x Storage: 128 GB, Onboard eMMC
Packing List	1 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
Package	Carton, EPE

Optional items

AI Accelerator Module	LM2-100, 25 TOPS

The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.