

# JEA-E068

## Rockchip RK3568 AI Edge Gateway

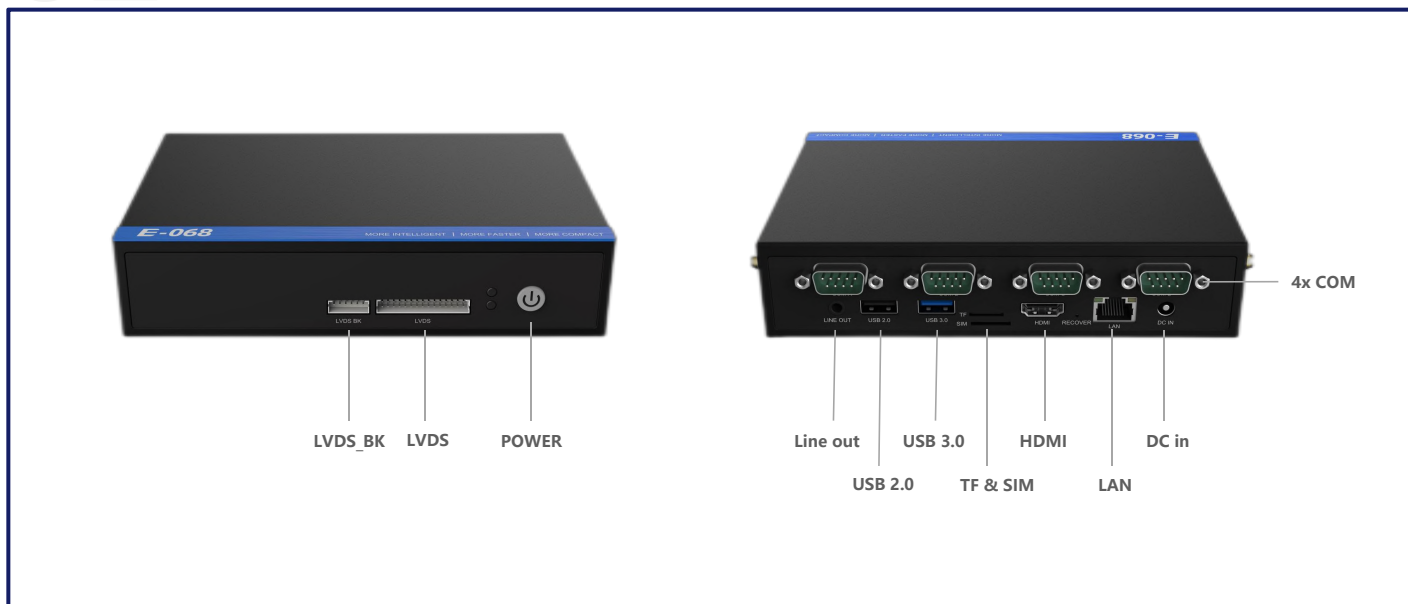


- Arm-based AI Edge Gateway
- Rockchip RK3568 SoC up to 2.0 GHz
- 4x Cortex-A55 + 1 TOPS NPU + 1x Mali-G52 3D GPU
- On-board 2/4GB LPDDR4/4X + 8/16/32GB eMMC 5.1
- On-board WiFi+BT module + M.2 Key B for 4G
- Display: 1x HDMI, 1x LVDS
- I/O: 1x GbE, 2x USB, 4x COM
- Supports watchdog timer

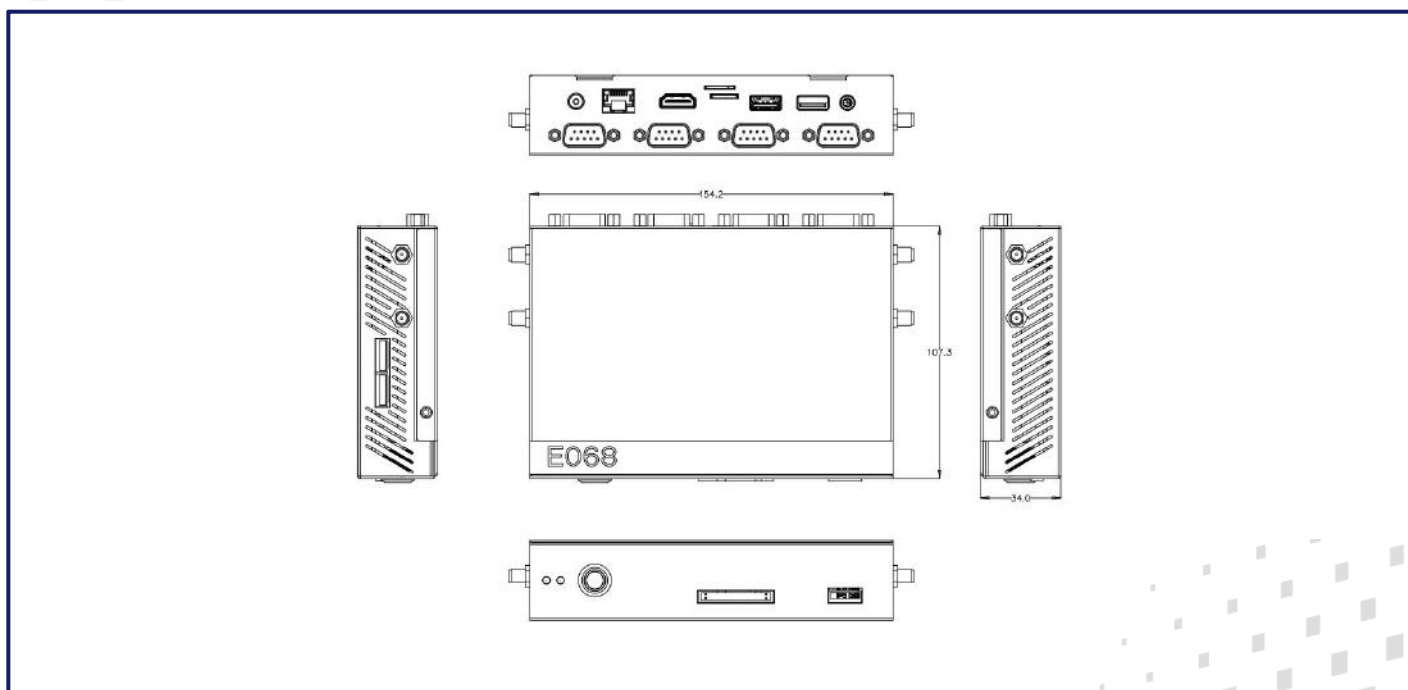
## 01 Specifications

<b>SoC</b>	Rockchip RK3568, Quad Cortex-A55 processors up to 2.0 GHz, 64-bit Arm® v8.2-A architecture
<b>NPU</b>	1 TOPS Neural Network performance
<b>GPU</b>	Arm Mali-G52 1-Core-2EE, supports OpenGL ES 1.1/2.0/3.2, Vulkan 1.0/1.1, OpenCL 2.0 FP
<b>H/W Video Codec</b>	Decoder: H.265, H.264, VP9 up to 4K60; Encoder: H.265, H264 up to 1080p60
<b>Memory</b>	On-board 2/4GB LPDDR4/4X
<b>Flash Memory</b>	On-board 8/16/32GB eMMC 5.1
<b>Ethernet</b>	1x 10/100/1000M Ethernet
<b>WiFi</b>	On-board WiFi+BT
<b>5G/4G</b>	1x M.2 Key B for 4G
<b>Display</b>	1x HDMI 2.0 1x Dual channel LVDS
<b>Front I/O</b>	1x LVDS 1x LVDS Backlight 1x power button
<b>Rear I/O</b>	1x DC Jack 1x RJ45 Gigabit Ethernet 1x HDMI 2.0 1x TF card slot 1x SIM card slot 1x USB 3.0 1x USB 2.0 1x 3.5mm Line out 4x DB9 COM (RS-232/485 optional)
<b>Left I/O</b>	2x GPIO wafer (7x GPIO, 1x ADC)
<b>Power Supply</b>	DC 12V
<b>Watchdog Timer</b>	Supports watchdog timer
<b>Dimensions</b>	154x107x34 mm
<b>Operating Conditions</b>	-10~50°C
<b>Storage Conditions</b>	-20~70°C, 10%~90% non-condensing

## 02 Product Overview



## 03 Dimensions



## 04 Order Information

Part No.	SoC	Memory	Flash Memory	LAN	WiFi	5G/4G	Display	USB	COM	GPIO	Operating Temperature
E068	RK3568 Quad core	2GB	16GB	1	Yes	M.2	1x HDMI 1x LVDS	2	4	7	-10~50°C
E068	RK3568 Quad core	4GB	32GB	1	Yes	M.2		2	4	7	-10~50°C