

ARM Rockchip Rk3568, 4 x COM, 2 x LAN, 4 x USB, 1 x HDMI, 8 x GPIO, 1 x Audio, 1 x SIM, 1 x TF

Overview

AEC-324 is Darveen's latest ARM-based embedded computer, a low-power quad-core processor based on quad-core Cortex A55 architecture, compatible with Android 11 or Ubuntu 18.04 operating system. The product integrates Wi-Fi, Bluetooth onboard, and can expand full Netcom 4G/5G communication, CAN port, GPS, providing All-in-one solution.

Features

- 4 x COM, 2 x LAN, 4 x USB
- 1 x HDMI, 8 x GPIO, 1 x Audio
- 1 x SIM, 1 x TF
- 12V DC Power Input



Operating Temp.



Power Input



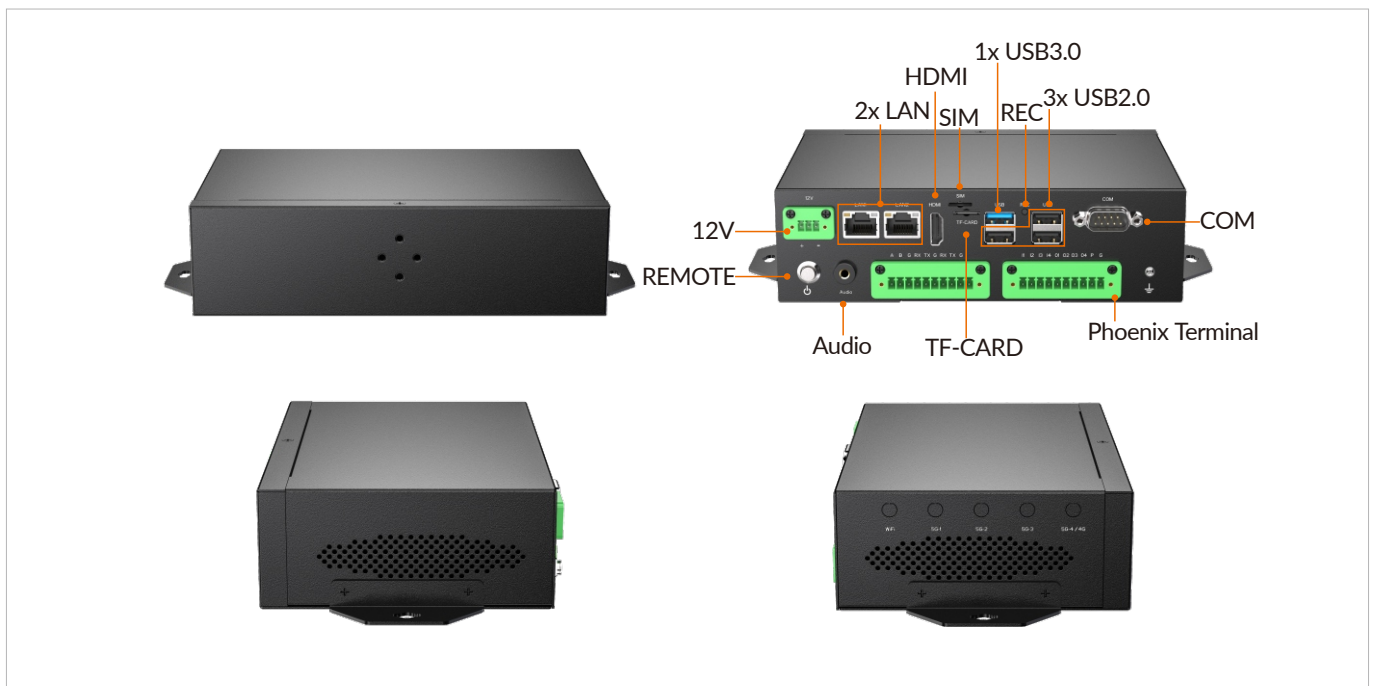
Fanless



Ultra-thin Handheld



I/O Interfaces



Specifications

System	
CPU	ARM Rockchip RK3568
CPU TDP	12W
Chipset	Quad-core Cortex-A55, Clock speed up to 2.0GHz
Memory	2/4/8GB SDRAM LPDDR4X-3200MHz on board (Optional)
Storage	16/32/64/128G (Optional)
I/O Ports	
USB Port	3 x USB 2.0, 1 x USB3.0
Serial Port	2 x COM RS-485 (Optional) 2 x COM RS-232
Ethernet	2 x Realtek GBE LAN Chip (RJ45, 10/100/1000 Mbps)
Display Port	1 x HDMI (TYPE-A): max resolution up to 4096x2304@60Hz
SIM x Slot	1 x SIM x Header
TF x Slot	1 x TF Card Slot
CAN bus	2 x CAN(Optional)
GPIO	8 x GPIO(8 x DIO Optional)
RF Communication	
GNSS	1 x GPS/Beidou/Glonass(Optional)
Wi-Fi	1 x Micro RF ConnectorSupport Wi-Fi 2.4/5GHz Frequencies by default (2.4GHz Module and Bluetooth 4.2 (support BLE) optional)
Bluetooth	1 x Amplifier Header
4G/5G	1 x 4G/5G(Optional)
Antenna Hole	5 x SMA-type
Expansion Slot	
M.2	1 x M.2 (NGFF) Key-B Slot (PCIe 3.0/PCIe2.0/USB3.0/SATA, 2242/3052)(Optional)
Mini PCIE	1 x Mini PCIE(Optional)
Audio	
Audio	1 x Front Audio Header (Line-Out + MIC)
Power	
DC Input	DC 12V
Input Type	1 x 3-pin terminal block connector
Power Mode	AT/ATX
Operating System	
Linux	Ubuntu
Android	Android 11
Mounting Mode	
Dimensions (WxDxH)	180 x 124 x 52 mm(7.09 x 4.88 x 2.05 inches)
Weight (N.W.)	1Kg(2.20pound)
Mounting	Wall-mount
Material	Aluminum alloy
Environment	
Relative Humidity	10% to 95% (non-condensing)
Operating Temperature	-20 to 60°C (-4 to 140°F)

Dimensions

