

ARM x 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

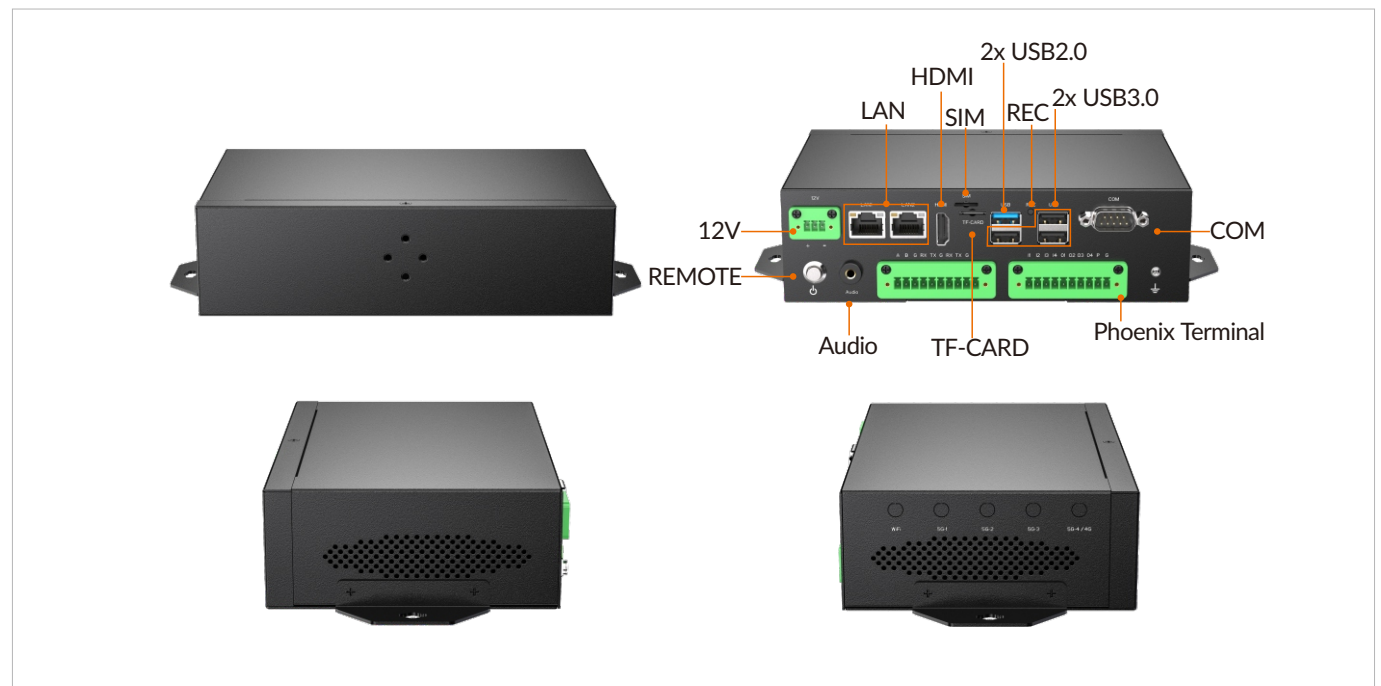
AEC-324 is Darveen's latest ARM-based embedded computer, a low-power quad-core processor based on quad-core Cortex A55 architecture, compatible with Android 11 or Ubuntu 18.04 operating system. The product integrates Wi-Fi, Bluetooth onboard, and can expand full Netcom 4G/5G communication, CAN port,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



## I/O Interfaces



## Specifications

<b>System</b>	
CPU	ARM x RK3568, x Cortex-A55, x speed x to 2.0GHz
CPU TDP	12W
Chipset	ARM x RK3568
Memory	2/4/8GB x LPDDR4X-3200MHz x board (Optional)
Storage	16/32/64/128GB (Optional)
<b>I/O Ports</b>	
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 LAN (RJ45, x Mbps)
Display Port	1x HDMI (max up to 4096 x 2304@60Hz)
SIM x Slot	1 x SIM x Header
TF x Slot	1 x TF Card Slot
GPIO	8 x GPIO(4 in & 4 out with 3.3V)
<b>Expansion Slot(Optional)</b>	
M.2	1 x M.2 x Key-B x (PCIe x 2242/3052)
Mini PCIE	1 x Mini PCIE
<b>RF Communication</b>	
GNSS	GPS/Beidou/Glonass
Wi-Fi	1 x Front x Header x + MIC
Bluetooth	1 x Amplifier Header
4G/5G	1 x 4G/5G
Antenna Hole	5 x SMA-type
<b>Audio</b>	
Audio	1 x Front Audio Header (Line-Out + MIC)
<b>Power</b>	
DC Input	DC 12V
Input Type	1 x 3-pin terminal block connector
Power Mode	AT/ATX
<b>Operating System</b>	
Linux	Ubuntu 18.04
Android	Android 11
<b>Mounting Mode</b>	
Dimensions (WxDxH)	180 x 123 x 52 mm
Weight (N.W.)	1Kg
Mounting	Wall-mount
Material	Aluminum alloy
<b>Environment</b>	
Relative Humidity	10% to 95% (non-condensing)

## Dimensions

