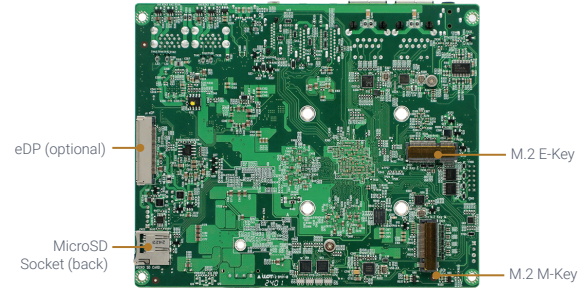
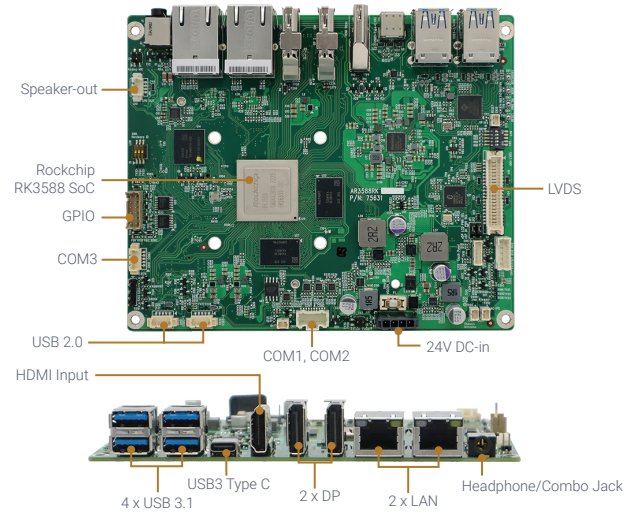


## Features

- Rockchip® RK3588 SoC
- Quad Core Cortex-A76 & Quad Core Cortex-A55
- 8GB Onboard LPDDR4 Memory (Expandable to 32GB Max)
- 32GB eMMC Onboard
- Mali G610 MP4 Integrated Graphic
- 2 x DisplayPort 1.3 4K@60Hz, LVDS/eDP (Optional)
- 1 x HDMI Input
- USB Type C
- 4 x USB 3.1 Type A, 2 x USB 2.0
- 3 x COM Ports
- M.2 M-Key NVMe, M.2 E-Key, MicroSD Socket
- Lightweight
- Low-profile External I/O



## Specifications

System	
CPU	Rockchip® RK3588 SoC Quad Core Cortex-A76 & Quad Core Cortex-A55
System Memory	8GB Onboard LPDDR4 Memory (Expandable to 32GB Max)
Ethernet	1 x Realtek® RTL8211F 1 x Realtek® RTL8111H
Audio Codec	Everest® ES8388 Ultra-Low Power Audio Codec
Expansion	1 x M.2 M-Key 2280/2242 NVMe (PCIe Gen3 x4 Singal) 1 x M.2 E-Key 2230 (PCIe x1 + USB Signal) 1 x MicroSD Socket
Storage	32GB eMMC Onboard
Supported OS	Android, Linux
Display	
Chipset	Mali G610 MP4 Integrated Graphic Vulkan 1.2, OpenGL ES 3.2, OpenCL 2.2, 4K 60fps Encoding, 4K 90fps Decoding, HEVC/H.264
Interface	1 x HDMI Input up to 4k 60Hz 2 x DisplayPort 1.3 4K@60Hz 1 x LVDS/eDP (Optional)
Internal I/O	
Display	1 x LVDS/eDP (Optional)
USB	2 x USB 2.0
Audio	1 x Audio Header for Line-in & Mic-in
COM	2 x RS-232/422/485 1 x TTL UART Locking Type Header
GPIO	1 x 10-bit GPIO
DC-in	1 x 4-pin DC-in Header
Other	1 x I <sup>2</sup> C, 1 x SPI, 2 x CAN Bus Headers

### External I/O

Display	2 x DisplayPort
Display Input	1 x HDMI Input
USB	4 x USB 3.1 1 x USB 3.1 Type C OTG
LAN	2 x RJ45
Audio	1 x Headphone/Combo Jack

### Mechanical & Environment

Power	12-24V Wide Range DC-In
Operating Temp.	0° ~ 70°C (32° ~ 158°F)
Storage Temp.	-10° ~ 85°C (14° ~ 185°F)
Op. Humidity	0% ~ 95% Relative Humidity, Non-condensing
Certification	CE, FCC Class B UL Compliant RoHS & REACH Compliant
Information	EN 55035, EN 55032 Class A, EN 61000-3-2 Class A, EN 61000-3-3 Compliant
Dimensions	5.79" x 4.72" (147mm x 120mm)
Weight	approx. 5 oz

\* All product specifications and images are subject to change without notice. Last update: 03/12/2024