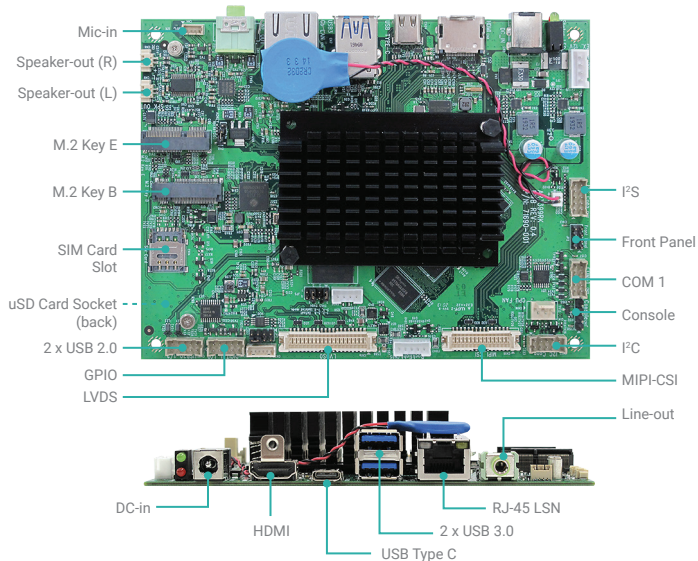


Features

- Rockchip® RK3399 Dual Core Cortex-A72 + Quad Core Cortex-A53 (6-Core) SoC
- 2GB DDR3L Onboard (Expandable to 4GB Max)
- ARM® Mali-T860MP4 Integrated Graphics
- HDMI, LVDS, MIPI-CSI
- 1 x uSD Card Socket
- 16GB eMMC Onboard
- 2 x USB 3.0, 2 x USB 2.0, 1 x USB 3.0 Type C OTG Connector
- 1 x 2230 M.2 E Key and 1 x 2242 M.2 B Key
- I²C, I²S, GPIO
- 12V DC-In
- 4.4" x 5.7" (110mm x 145mm)
- Supports Android 9, Linux



Specifications

System	
CPU	Rockchip® RK3399 Dual Core Cortex-A72 + Quad Core Cortex-A53 (6-Core) SoC
System Memory	2GB DDR3L Onboard (Expandable to 4GB Max)
Storage	1 x uSD Card Socket 16GB eMMC Onboard
Audio	Wolfson® WM8960 Ultra Low Power Audio Codec TI® TPA2008D2 3W Stereo Class D Audio Amplifier
Ethernet	Micrel® KSZ9031 Gigabit Ethernet
Expansion	1 x 2230 M.2 E Key (with PCIe x1 Channel & USB Signal for WIFI/ BT) 1 x 2242 M.2 B Key with Nano SIM Socket (USB 3.0 for Cellular Module)
OS Support	Android 9 Linux Kernel 4.4
Display	
Video Interface	HDMI, eDP/LVDS
Video Chip	ARM® Mali-T860MP4 Integrated Graphics
LVDS Bridge	Chrontel® CH7511B eDP to LVDS Bridge
External I/O	
HDMI	1 x HDMI 1.4b Connector
USB	2 x USB 3.0 Connectors 1 x USB 3.0 Type C OTG Connector
LAN	1 x RJ-45 Connector
Audio	1 x Line-out Jack
DC-in	1 x Barrel Type DC-In Connector
LED	1 x Status LED

Internal I/O	
COM	1 x RS-232 COM
USB	1 x USB 2.0 Header (2 Ports)
Camera Interface	1 x MIPI-CSI Connector
Switch	1 x Power/Reset Switch Header
GPIO	1 x 8 bit GPIO Header
I ² C	1 x I ² C Header
I ² S	1 x I ² S Header
Audio	1 x Stereo Speaker Header (Through Audio Amplifier) 1 x Mic-in/Line-in Header
Optional	1 x Cable Type Battery, 1 x DC-In Header
Mechanical & Environment	
Power	12V DC Input
Operating Temp	0 ~ 60°C
Storage Temp	-20 ~ 80°C
Operating Humidity	5 ~ 80% Relative Humidity, Non-condensing
Storage Humidity	5 ~ 90% Relative Humidity, Non-condensing
Dimension	4.4" x 5.7" (110mm x 145mm)
Certification Information	CE, FCC Class B

Ordering Info	
AR3399RK	Rockchip® RK3399 Dual Core Cortex-A72 + Quad Core Cortex-A53 (6-Core) SoC ARM Motherboard

* All product specifications and images are subject to change without notice. Last update: 2021/02/11

