OTH-ARK3
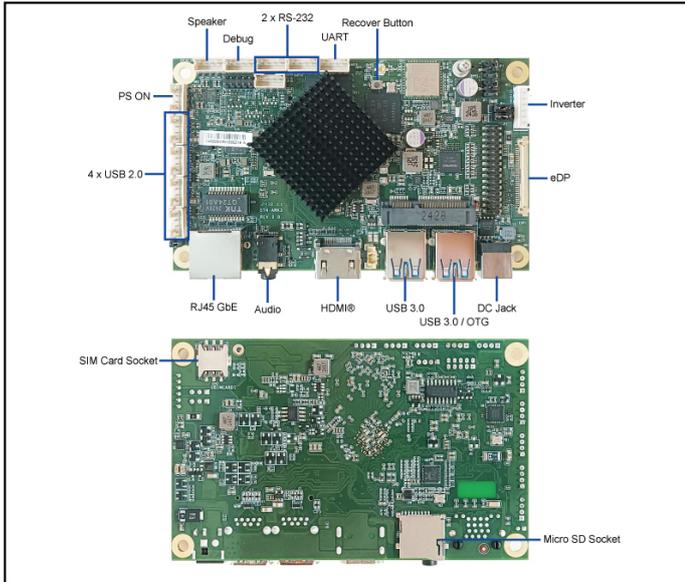
Rockchip® ARM Cortex A55 RK3568, 1 x RJ45

Features

- **Rockchip® ARM Cortex-A55 (quad-core, up to 2.0 GHz)**
- **On board 3200/4GB LPDDR4X SDRAM**
- **On board 32G Flash ROM Max 64GB**
- **Support WIFI and Blue Tooth**
- **Support 1 x GbE LAN**
- **2 x UART,2 x RS232, 2 x USB3.0(OTG), 4 x USB2.0**
- **1 x eDP,1 x 24-bits Dual CH LVDS, 1 x HDMI®**
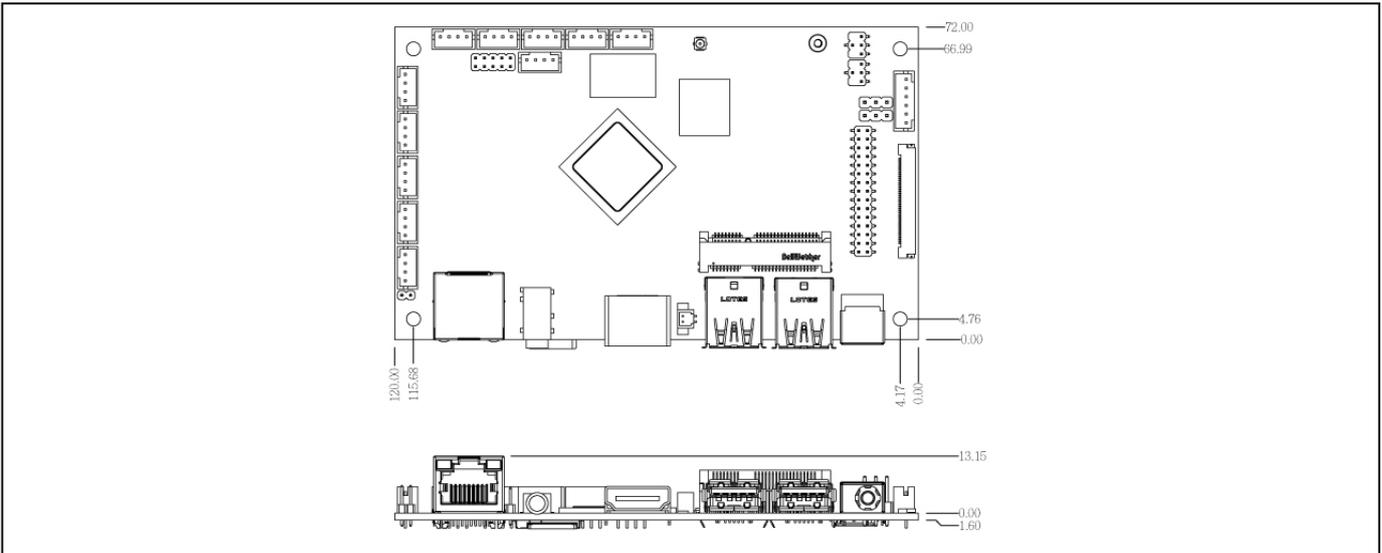- **Support 4K H.264/265 video decoding and 1080P H.264/265 format video encoding**

Packing List

PART NUMBER	DESCRIPTION	QTY
—	OTH-ARK3-356843A1 M/B	1

Specifications

SYSTEM

MB FORM FACTOR	ARM
CPU	Rockchip® ARM Cortex-A55 quad-core (up to 2.0 GHz) with 1 TOPS NPU
CHIPSET	Rock Chip® RK809-5 PMU
MEMORY	Onboard LPDDR4X 3200MT/s 4GB standard (8GB optional)
WAKE ON LAN	Yes
WATCHDOG TIMER	255 Levels
SECURITY	Intel® PTT (Integrated fTPM)
DIMENSION (W X D)	120.0 (W) x 72.0 (D) mm (4.7" x 2.8")

POWER

POWER REQUIREMENT	DC-in 12V
POWER ON MODE	AT / ATX
CONNECTOR	DC Jack

DISPLAY

GPU	Mali-G52 MP2 GPU
LVDS	1 x LVDS (Max. Resolution: 1920 x 1200 @60Hz)
eDP	1 x eDP (Max Resolution: 2560 x 1600@60Hz)
HDMI®	1 x HDMI® (Max Resolution: 4096 x 2304@60Hz)
MULTIPLE DISPLAY	Support 3 Displays

AUDIO

CODEC	2-channel HD Audio
COMBO	1 x Combo Audio Jack for Line-Out / Mic-In
AMPLIFIER	3W

LAN

ETHERNET	1 x Realtek RTL8211F-CG GbE 1 x AW-CM358 (802.11 b/g/n 2.4GHz Wi-Fi + Bluetooth 4.2)

USB PORT

USB	4 x USB 2.0 2 x USB 3.0 (co-layout OTG)

SERIAL PORT

COM	Internal Header for 2 x RS-232

INTERNAL I/O

GPIO	4-Bit
SMBUS	Yes
ADDITIONAL	1 x Debug 2 x UART (UART8/UART9, UART8 Co-Lay RS-485) 1 x Inverter

STORAGE

MINI PCI-E	1 x Full Size Mini-PCIe
eMMC	Onboard 32GB eMMC, Optional Up to 64GB

EXPANSION

SIM	1 x SIM Card Slot

OTHERs

OTHER	1 x Micro SD

ENVIRONMENT & CERTIFICATION

OPERATING TEMPERATURE	-10°C ~ 60°C (14°F ~ 140°F)
STORAGE TEMPERATURE	-20°C ~ 70°C (-4°F ~ 158°F)
CERTIFICATION	CE/FCC Class A LVD
ESG DECLARATION	EU RoHS, REACH (Option), China RoHS

www.jetwayipc.com

CONTACT US   2025/12/23

Headquarter
support_team@jetway.com.tw
+886-2-89132711

USA
sales@jetwaycomputer.com
+1-510-857-0130

China
support_team@jetway.com.tw
+86-769-2101-8010

Note: All specifications are subject to change without notice.

Dimension   Unit: mm

Ordering Information

PART NUMBER	OTH-ARK3-356843A1
CPU	Rockchip® ARM Cortex-A55 (Quad-core, up to 2.0 GHz)
MEMORY	Onboard LPDDR4x 3200MT/s up to 4GB
SECURITY	Intel® PTT (fTPM)
POWER REQUIREMENT	DC-in 12V
GPU	Mali-G52 MP2 GPU
LVDS	1 x LVDS
eDP	1 x eDP
HDMI	1 x HDMI®
MULTIPLE DISPLAY	Support 3 Displays
ETHERNET	1 x GbE
ETHERNET	1 x WiFi/BT
USB	4 x USB 2.0
USB	2 x USB 3.0
COM	2 x RS-232
MINI PCI-E	1 x Full mini PCIe
eMMC	eMMC 32GB
SIM	1 x SIM Card Slot
OTHER	1 x Micro SD
OPERATING TEMPERATURE	-10°C ~ 60°C (14°F ~ 140°F)

Note: All specifications
are subject to change
without notice.