



Vecow EIC-1000 Arm Based Rockchip Edge Computing System User Guide

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Vecow EIC-1000 Arm Based Rockchip Edge Computing System



Instructions

- Rockchip Dual Cortex-A72, Quad Cortex-A53 Processor
- 2GB DDR3 SDRAM, 32GB eMMC, 1 External Micro SD Socket
- Pre-installed with Debian 9.0 or Android 7.1
- 1 Digital Display, up to 4K resolution
- 1 GigE LAN, 1 USB 3.1, 1 USB 2.0
- 2 COM RS-232/422/485, Audio Mic-in and Line-out
- 1 Half-size Mini PCIe for WiFi/Bluetooth
- DC 9V to 55V wide range power input
- Fanless, 0°C to 70°C Operating Temperature

Specifications

CPU	Rockchip RK3399 Arm Dual-core Cortex-A72 @2.0GHz + Quad-core Cortex-A53 @1.8GHz
Memory	1 DDR3L 1066MHz SDRAM, 2GB
OS	- Android 7.1 - Linux Debian 9.0

I/O Interface

USB	– 1 USB 3.1 Type A – 1 USB 2.0 Type A
Serial	2 COM RS-232/422/485
Button	– 1 Power Button – 1 Reset Button
Antenna	2 Antenna for WiFi/Bluetooth

Expansion

Mini PCIe	1 Half-size Mini PCIe Socket for PCIe Card
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Graphics

Interface	1 Digital Display, up to 4Kx2K @60fps
Graphics Processor	ARM Mali-T860MP4, AFBC supported
Video Encode	H.264/MVC/VP8 encoders by 1080p @30fps
Video Decode	– H.264/H.265, 10bit, up to 4Kx2K @60fps – VP9, 8bit, up to 4Kx2K @60fps – MPEG-4/MPEG-2/VP8 up to 1080p @60fps

Storage

eMMC	1 eMMC, 32GB
SD	1 Micro SD (External)

Audio

Audio Codec	Realtek ALC5640 low power stereo codec
Audio Interface	1 Mic-in, 1 Line-out

Ethernet

LAN	10/100/1000 Base-T Ethernet GigE LAN, RJ45 Connector
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Power

Power Input	DC 9V to 55V
Power Interface	3-pin Terminal Block : V+, V-, Frame Ground

Mechanical

Dimensions	136.0mm x 110.0mm x 46.8mm (5.35" x 4.33" x 1.84")
Weight	0.4kg (0.9 lb)
Mounting	– Wallmount by mounting bracket – DIN Rail Mount (Optional)

Environment

Operating Temp.	0°C to 70°C (32°F to 158°F)
Storage Temp.	-40°C to 85°C (-40°F to 185°F)
Humidity	5% to 95% Humidity, non-condensing
Relative Humidity	95% @70°C
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-64
EMC	CE, FCC, EN50155, EN50121-3-2

Order Information

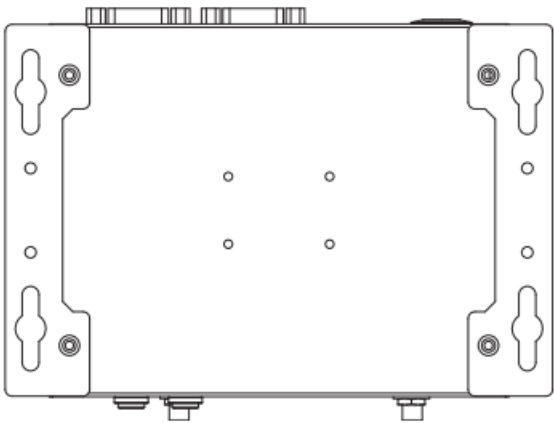
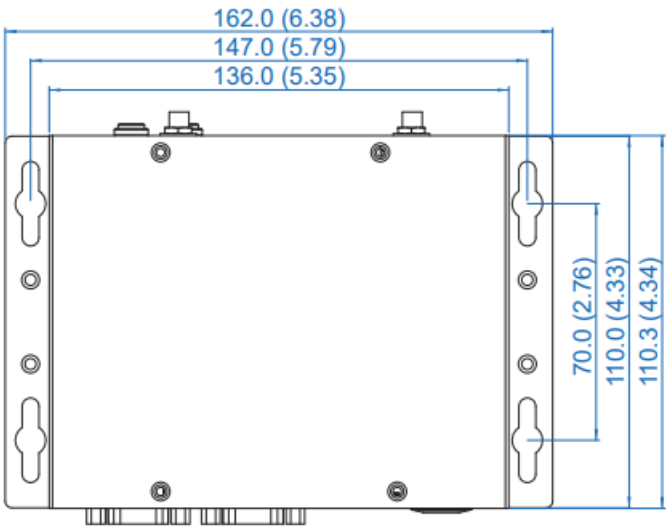
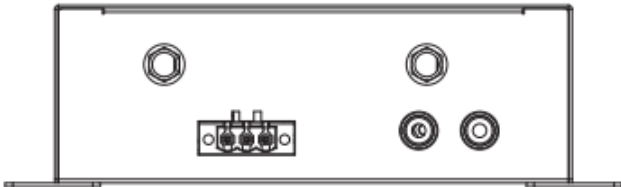
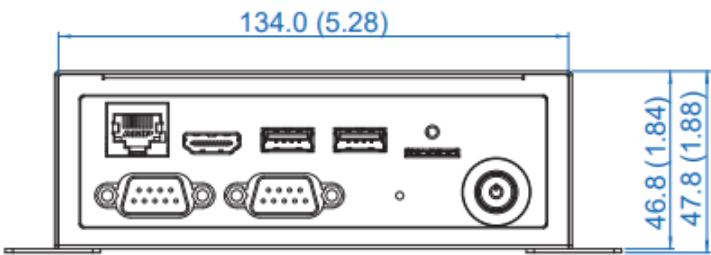
Model Name	OS	Platform	GigE LAN	USB 3.1	USB 2.0	Serial	Mini PCIe
EIC-1000-DB	Debian 9.0	Rockchip	1	1	1	2	1
EIC-1000-AD	Android 7.1						

Accessories

PWA-60WP3-WT	60W, 24V, 90V AC to 264V AC Power Adapter with 3-pin 3.5mm Terminal Block, Wide Temperature -30°C to +70°C
PWA-60WP3-WT-12V	60W, 12V, 90V AC to 264V AC Power Adapter with 3-pin Terminal Block, Wide Temperature -30°C to +70°C
DIN-RAIL	DIN Rail Kit
WiFi & Bluetooth	WiFi & Bluetooth Module with Antenna

Dimensions & Drawing

Unit : mm (inch)



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Documents / Resources

	Vecow EIC-1000 Arm Based Rockchip Edge Computing System [pdf] User Guide EIC-1000, Arm Based Rockchip Edge Computing System, EIC-1000 Arm Based Rockchip Edge Computing System, Rockchip Edge Computing System, Edge Computing System, Computing System
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References

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Manuals+.