

ASUS Tinker Edge R development board 1.8 MHz Rockchip RK3399Pro



Brand : ASUS

Product code: 90ME00M0-M0EAY0

Product name : Tinker Edge R

- Arm big.LITTLE A72+A53 Hexa-core SoC
- Machine-Learning capability with Rockchip NPU
- Multiple MIPI-CSI & DSI / HDMI / Type-C (DP)
- 40-pin GPIOs & mPCIe for multiple expansions
- 12V~19V DC-in offers stable power delivery
- Linux & Android supported

Rockchip RK3399Pro+Rockchip NPU, ARM Mali-T860 MP4 GPU, Rockchip NPU, Dual-CH LPDDR4 4GB+2GB (NPU), 16GB eMMC, Gigabit Ethernet, 802.11ac, Bluetooth 5.0, Pico-ITX

ASUS Tinker Edge R. Processor frequency: 1.8 MHz, Processor manufacturer: Rockchip, Processor model: Rockchip RK3399Pro. Maximum internal memory: 6 GB, Internal memory type: LPDDR4-SDRAM, Memory channels: Dual-channel. USB version: 3.2 Gen 1 (3.1 Gen 1), Wi-Fi standards: 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Ethernet interface type: Gigabit Ethernet. On-board graphics card model: ARM Mali-T860 MP4. DC input voltage: 12 - 19 V



Processor		Ports & interfaces	
Processor frequency *	1.8 MHz	Ethernet LAN (RJ-45) ports	1
Processor manufacturer *	Rockchip	PWM digital I/O pins	3
Processor model *	Rockchip RK3399Pro	HDMI ports quantity	1
Memory		MIPI DSI 1.1	✓
Maximum internal memory *	6 GB	UART	✓
Internal memory type *	LPDDR4-SDRAM	GPIO interface	✓
Memory channels	Dual-channel	I2C interface	✓
Flash memory type	eMMC	MPI DSI interface	✓
eMMC capacity	16 GB	MPI CSI interface	✓
Compatible memory cards	MicroSD (TransFlash)	SPI interface	✓
Storage location	Internal	I2S interface	✓
		PCM interface	✓
Ports & interfaces		Features	
Wi-Fi *	✓	Real-time clock (RTC)	✓
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)	Graphics	
Ethernet LAN *	✓	On-board graphics card	✓
Ethernet interface type	Gigabit Ethernet	On-board graphics card model	ARM Mali-T860 MP4
USB version *	3.2 Gen 1 (3.1 Gen 1)	Power	
USB ports quantity *	4	DC input voltage	12 - 19 V
USB 3.2 Gen 1 (3.1 Gen 1) ports quantity	4	Weight & dimensions	
Bluetooth	✓	Board dimensions *	100 x 72 mm
Bluetooth version	5.0	Package type	Box
Headphone out	✓	Operational conditions	
S/PDIF out port	✓	Operating temperature (T-T)	0 - 60 °C
		Storage temperature (T-T)	-40 - 80 °C



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