

ASUS Tinker Board 3N development board Rockchip RK3568

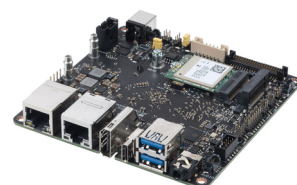
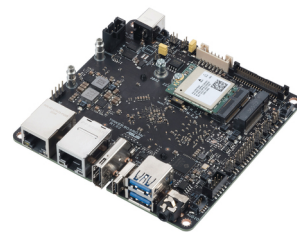
Brand : ASUS

Product code: 90ME06K1-M0EAY0

Product name : Tinker Board 3N

- 64-bit, quad-core Arm Cortex-A55 processor, built on the Arm v8 architecture
- Dual LAN built in, and PoE PD supported via expansion module
- 4G, 5G, Wi-Fi and Wi-Fi 6 supported via expansion module
- LVDS, eDP, COM and CANbus embedded and industrial interfaces supported
- 0°C to 60°C operating-temperature range
- Linux Debian, Yocto and Android operating systems supported

Rockchip RK3568, Arm Mali-G52, HDMI, USB 3.2 Type-A/Type-C, Debian 11 / Android 12, 100 x 100 mm
 ASUS Tinker Board 3N. Processor manufacturer: Rockchip, Processor model: Rockchip RK3568. Maximum internal memory: 4 GB, Memory channels: Dual-channel, RAM capacity: 4096 MB. USB version: 2.0/3.2 Gen 1 (3.1 Gen 1). On-board graphics card model: Arm Mali-G52. DC input voltage: 12 - 24 V



Processor		Ports & interfaces	
Processor manufacturer *	Rockchip	HDMI ports quantity	1
Processor model *	Rockchip RK3568	GPIO interface	✓
Processor cores	4	I2C interface	✓
64-bit computing	✓	SPI interface	✓
Memory		USB Type-C ports quantity	1
Maximum internal memory *	4 GB	Graphics	
Memory channels	Dual-channel	On-board graphics card	✓
RAM capacity	4096 MB	On-board graphics card model	Arm Mali-G52
Flash memory type	eMMC	Power	
eMMC capacity	32 GB	DC input voltage	12 - 24 V
Compatible memory cards	MicroSD (TransFlash)	Weight & dimensions	
Ports & interfaces		Board dimensions *	100 x 100 mm
Ethernet LAN *	✓	Width	100 mm
USB version *	2.0/3.2 Gen 1 (3.1 Gen 1)	Depth	100 mm
USB ports quantity *	3	Operational conditions	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2	Operating temperature (T-T)	0 - 60 °C
Headphone out	✓	Storage temperature (T-T)	0 - 60 °C
Ethernet LAN (RJ-45) ports	2	Operating relative humidity (H-H)	10 - 85%



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