

ASUS Tinker Edge T development board i.MX 8M

Brand : ASUS

Product code: 90ME0140-M0EAY0



Product name : Tinker Edge T

- SBC developer board featuring the Google Edge TPU and ARM processor for AI applications, an advanced power design and easy machine-learning model deployment
- Google Edge TPU
- More connectivity options for developers
- Multi-platform tools for easy machine-learning model deployment and image burning
- SoC NXP i.MX 8M, 1GB LPDDR4, GPU GC7000 Lite, 8GB eMMC, NN processor Google Edge TPU ML, 802.11 a/b/g/n/ac, Bluetooth 4.2



ASUS Tinker Edge T. Processor manufacturer: NXP, Processor model: i.MX 8M. Maximum internal memory: 1 GB, Internal memory type: LPDDR4-SDRAM, Memory channels: Dual-channel. USB version: 2.0/3.2 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: Vivante GC7000 Lite. DC input voltage: 12 - 19 V

Processor		Ports & interfaces	
Processor manufacturer *	NXP	UART	✓
Processor model *	i.MX 8M	GPIO interface	✓
Memory		I2C interface	✓
Maximum internal memory *	1 GB	MPI DSI interface	✓
Internal memory type *	LPDDR4-SDRAM	MPI CSI interface	✓
Memory channels	Dual-channel	SPI interface	✓
Flash memory type	eMMC	I2S interface	✓
eMMC capacity	8 GB	PCM interface	✓
Compatible memory cards	MicroSD (TransFlash)	MIPI CSI-2 (24-pin) ports quantity	2
Ports & interfaces		Graphics	
Wi-Fi *	✓	On-board graphics card	✓
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)	On-board graphics card model	Vivante GC7000 Lite
Ethernet LAN *	✓	Power	
Ethernet interface type	Gigabit Ethernet	DC input voltage	12 - 19 V
USB version *	2.0/3.2 Gen 1 (3.1 Gen 1)	Weight & dimensions	
USB ports quantity *	3	Board dimensions *	85.5 x 54 mm
USB 3.2 Gen 1 (3.1 Gen 1) ports quantity	3	Operational conditions	
Ethernet LAN (RJ-45) ports	1	Operating temperature (T-T)	0 - 50 °C
PWM digital I/O pins	3	Storage temperature (T-T)	-40 - 80 °C
HDMI ports quantity	1	Operating relative humidity (H-H)	0 - 85%
MIPI DSI 1.1	✓		



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