

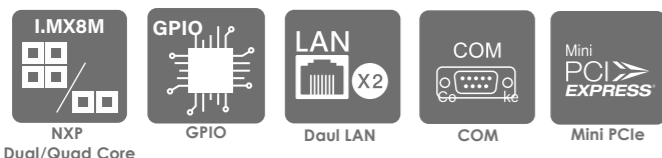
ME1-108T

Fanless Embedded System with NXP® i.MX8M Processor

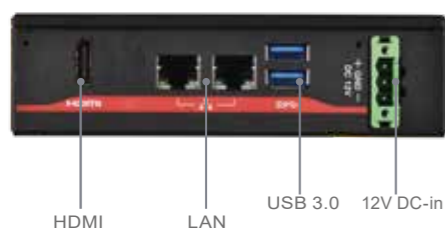
Introduction

MITAC's ME1-108T box pc is a fanless industrial embedded system with NXP ARM-based i.MX8M Dual core/Quad core high-performance processors inside. The ME1-108T is in a 0.55 liter compact size design but still equips multiple high resolution display, high expansion slot, high-speed I/O and complete software BSP support.

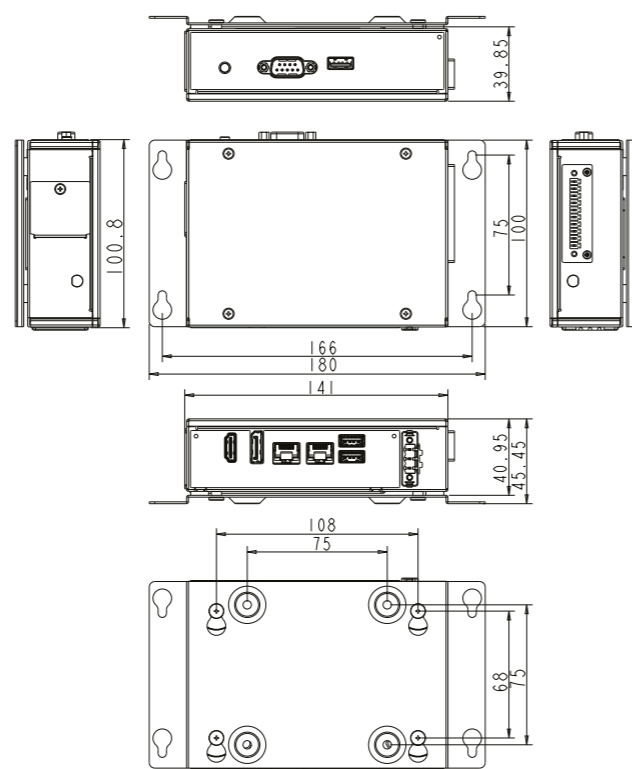
All of this is aiming to help you enable your IoT internet-connected applications everywhere with more cost efficient budget but less power consumption device.



I/O Interface (mm)



Dimension (mm)



ME1-108T Fanless Embedded System



SYSTEM	
CPU	NXP® i.MX8M Family - 8M Quad (4 x Cortex-A53 @ 1.3GHz) - 8M Dual (2 x Cortex-A53 @ 1.3GHz)
Chipset	i.MX8M SoC Integrated
System Memory	LPDDR4 Onboard Memory with Options: 1GB (1200MHz), 2GB (1600MHz), 4GB (1600MHz)
Graphics	i.MX8M SoC Integrated
Storage	Onboard eMMC with Options for 8GB / 16GB / 32GB 1 x Micro SD card slot (Up to 256GB)
Ethernet	2 x Realtek Giga LAN (1st LAN: RTL8211FD; 2nd LAN: RTL8111H)
Audio	Realtek ALC5660
Expansion Slot	Mini PCIe Full / Half Size (PCIe / USB)
Front I/O	1 x USB 2.0 Type A 1 x COM port (RS232/422/485) 1 x Power button 1 x Power LED
Side I/O	1 x Micro SD/SIM card slot 1 x GPIO 10-pin (4in/4out/5V/GND, Terminal Block)
Rear I/O	2 x USB 3.0 2 x RJ-45 1 x HDMI2.0 1 x 3-pin Terminal Block Power Connector
POWER REQUIREMENT	
Power Input	12V 36W Power Adapter
MECHANICAL	
Thermal Design	Fanless & Ventless
Mounting	Wallmount & VESA Mount (75 x 75mm) 2-in-1 Bracket
Antenna	2 x SMA Antenna (Optional for WiFi/LTE function)
Dimension	140*100*38.75mm
Material	Enclosure: Sheet Metal
ENVIRONMENTAL	
Operating Temperature	0°C to 55°C
Storage Temperature	-20°C ~ 70°C
Operating Humidity	10% ~ 90% R/H (Non-condensing)
Storage Humidity	10% ~ 95% @85°C non-condensing
Certification	CE / FCC Class B
OS	
OS Support	Yocto Sumo (Kernel version 4.14.98) BSP Support (Remark: Android is suggested for 2G or 4G memory MB SKU) Android 9 Pie (Kernel version 4.14.98) BSP Support

Ordering Information

Model Number	Processor	DDR4	eMMC	Display	LAN	COM
ME1-8MD-1G8G	I.MX8M Dual Core	1GB	8GB	HDMI	1	0
ME1-8MD-2G16G	I.MX8M Dual Core	2GB	16GB	HDMI	1	0
ME1-8MQ-4G32G	I.MX8M Quad Core	4GB	32GB	HDMI	2	1

Packing List

Packing			
1 x ME1-108T Embedded System	1 x Wallmount & VESA Mount	1 x 10P terminal block male plug	1 x Quick Installation Guide