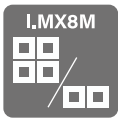


ME1-118T

Fanless Embedded System
with NXP® i.MX8M Processor

Introduction

- NXP® i.MX8M Dual Core & Quad Core Processor
- LPDDR4 Memory (Options for 1GB / 2GB / 4GB)
- eMMC Storage (Options for 8GB / 16GB / 32GB)
- Support up to x1 Giga LAN
- Support up to x1 HDMI (4K)
- Support x1 Mini PCIe expansion slot
- Up to 2 x USB 3.0, 1 x USB 2.0, 1 x COM port (x RS232/422/485), 4in-4out GPIO
- 12~24V DC Power Input



Dual/Quad Core



GPIO



LAN



COM



Mini PCIe



Dual Display

I/O Interface (mm)

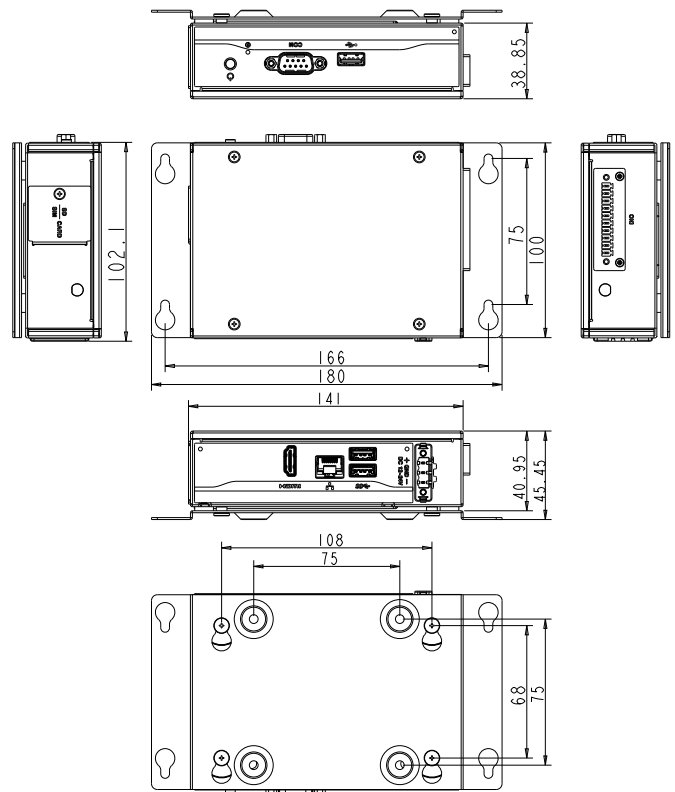


HDMI LAN USB 3.0 12~24V DC-in



GPIO USB 2.0 COM

Dimension (mm)



ME1-118T 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 (800MHz), 2GB (1600MHz), 4GB (1600MHz) |
| Graphics | i.MX8M Integrated |
| Storage | Onboard eMMC with options for 8GB / 16GB / 32GB 1 x Micro SD card slot (Up to 256GB) |
| Ethernet | 1 x Realtek Giga LAN (LAN: RTL8211FD) |
| 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 (4 in/4 out/5V/GND, Terminal Block) |
| Rear I/O | 2 x USB 3.0 1 x RJ-45 1 x HDMI2.0 1 x 3-pin Terminal Block Power Connector |
| POWER REQUIREMENT | |
| Power Input | DC12~24V / 3A / 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 (32 ~131°F) |
| Storage Temperature | -20°C ~ 70°C (-4 ~158°F) |
| 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 Android 9 Pie (Kernel version 4.14.98) BSP Support (Remark: Android is suggested for 4G memory MB SKU) |

Ordering Information

| Model Number | Processor | DDR4 | eMMC | Display | LAN | COM |
|-----------------|------------------|------|------|---------|-----|-----|
| ME1-1-8MQ-4G32G | I.MX8M Quad Core | 4GB | 32GB | HDMI | 1 | 1 |

Packing List

Packing

- 1 x ME1-118T Embedded System
- 1 x 10P terminal block male plug
- Wall Mount and VESA Combination Bracket (Din-rail mounting plate an optional extra)
- 1 x Quick Installation Guide