

- ARM 3.5-inch industrial motherboard with a lead-times up to 10 years
- NXP i.MX8M Mini 4x Arm® Cortex®-A53 and 1x Arm® Cortex®-M4 core 400MHz processor
- Onboard 2GB DDR4 Memory and 8GB/16GB eMMC
- Dual Channel 30/24/18 bit LVDS, 1x MIPI-CSI
6x USB2.0, 5x UART, 1x GbE Lan, 1x TF Card Slot, 1x M.2, 15
- GPIO, MIC-in, Line-out, 1x Speaker
- Onboard WiFi/BT modules, mini-PCIE for 4G optional with SIM slot
- Support Linux and Android9.0

Introduction

DJ-i.MX 8M Mini is an ARM 3.5" industrial Motherboard based on NXP i.MX 8M Mini 4x Arm® Cortex®-A53 and 1x Arm® Cortex®-M4 processor, frequency at 1.8GHz, on-chip 3D/2D GPU and 1080p VPU, support for OpenGL2.0, it offers rich interface such as Gbit Ethernet, 6 USB2.0, 4 UART, 15 GPIOs, MIPI / LVDS also features Mini-PCIE, M.2, SIM card slots for integrating Wi-Fi, Bluetooth and 3G/4G modules.

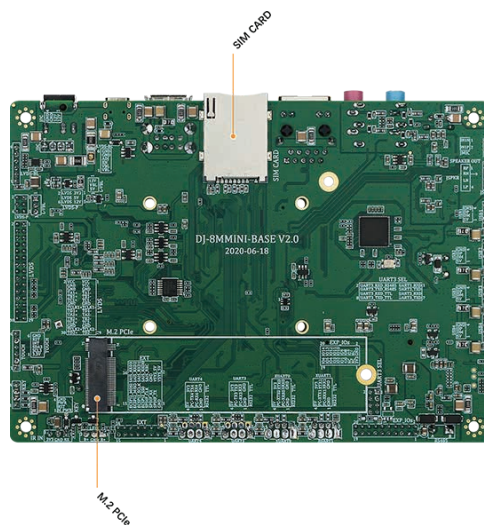
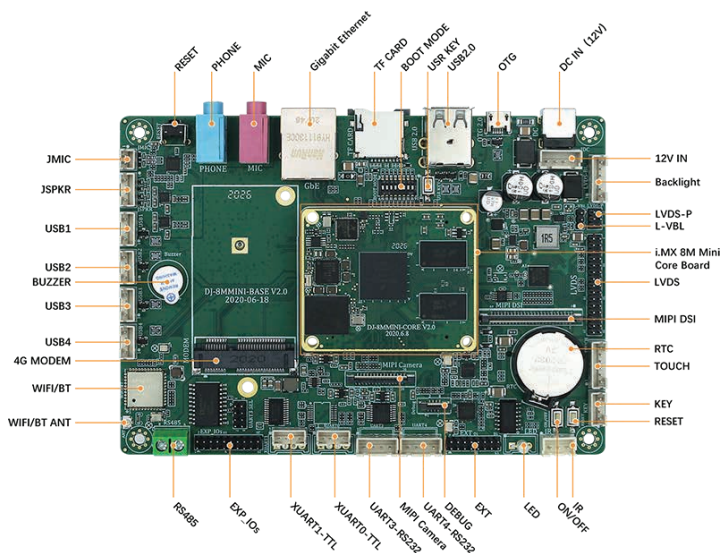
It ideal for Industrial Automation, Smart Embedded Device, Self-service terminal, IoT application, Energy, Medical Device, Building automation, Digital Signage and much more.

Specifications

CPU	NXP® i.MX8M Mini 4x Arm® Cortex®-A53 and 1x Arm® Cortex®-M4 core
GPU	3D (1x shader, OpenGL® ES 2.0) and 1080p VPU
Memory	Onboard 2GB DDR4
Storage	Onboard 16GB (Commercial) or 8GB (Industrial) eMMC5.1
Flash	32MB of QSPI Flash
M.2	1x M.2 PCIe slot, Support 256G/512G/1BT SSD SATA
Ethernet	1x RJ45 LAN, 10/100/1000Mbps 1x Mini PCIe slot with SIM Card Slot, support 3G/4G Onboard Wi-Fi/BT Module, support 802.11a/b/g/n/ac and BT4.1
Display	1x 30/24/18-bit LVDS with 1920*1080 for dual channels at 60Hz(30Pin header) 1x Backlight 5V / 12V voltage selection for LVDS(Jumper) 1x I2C Touch screen signal, also support touch screen of USB interface 1x Dual 4 Lane MIPI DSI (50Pin header)
USB	2x USB2.0 Type A 1x USB2.0 OTG Micro USB slot 4x USB2.0 Pin header
UART	2x 4-wire RS232/TTL, Pin header (UART2 for debugging) 2x RS232/TTL (default RS232 Type) 2x TTL/RS232 (default TTL Type) 1x RS485, multiplexing with UART3

Audio	1x 3.5mm Head phone slot 1x MIC IN pin header 1x Speaker interface (4Pin header) With power amplifier circuit
Onboard I/O	1x TF Card slot 1x MIPI CSI(4 Lanes 30Pin header) 15x GPIO via pin header 1x Buttons (Reset/Power/CPU Power buttons) 2x LEDs (red, blue) 1x IR circuit, support infrared remote control
RTC	Support
Sleep/Wake up	Support
Power Supply	DC-in 12V 1x DC-in JACK 1x 4PIN Header
Environment	Operating Temperature: -40°C ~ +85°C Operating Humidity : 10%~95%RH@31°C, no condensation Storage Temperature: -40°C ~ -125°C Storage Humidity : 5%~95%RH@39°C, no condensation
Size	146 x 102mm
OS	Linux, Android

Interface



Size

