Agent336

Fanless Embedded System with i.MX 8M Processor, COM, LAN, USB, DIO (2-in/2-out), Isolated CANBus, 2 PCIe Mini Card Slots, Power Design with ACC Ignition and E-Mark Certification for Vehicle Box PC

Features

- RISC-based module (i.MX 8M) processor
- 2GB LPDDR4 memory onboard
- 8GB eMMC onboard
- 9 to 36 VDC wide range power input with terminal block
- Ready-to-run embedded Linux/Android operating system
- Wide operating temperature range from -40°C to +70°C
- E-Mark Certified
- Intelligent solution of vehicle power management (ACC ignition)

Specifications

- **Construction:** Extruded aluminum and heavy-duty steel, IP40
- **CPU:** NXP i.MX 8M Arm® Cortex®-A53, QuadLite 1.3GHz
- **System Memory:** 1 x 2GB LPDDR4 onboard
- **Chipset:** SoC integrated
- **System I/O Outlet:** 2 x RS-232/422/485
- **1 x HDMI**
- **1 x 10/100/1000 Mbps Ethernet**
- **2 x USB 3.0 Type A**
- **1 x Isolated CANBus (D-SUB 9)**
- **1 x Isolated 2-in/2-out DIO (TB 2 x 4P)**
- **1 x RTC battery (for CR2032) *more than 5 years**
- **1 x Reset button**
- **1 x Console port**
- **1 x Buzzer**
- **5 x Antenna opening**
- **Watchdog Timer:** 256 levels, 0 to 128 sec.
- **Storage:** 1 x eMMC 8GB onboard
- **1 x Micro SD card socket**
- **Expansion Interface:** 1 x PCIe Express Mini Card socket (USB & PCIe interface)
- **1 x PCIe Express Mini Card socket with 1 SIM socket inside (USB & PCIe interface)**
- **TPM:** N/A
- **System Indicator:** 1 x Green LED for system power-on
- **2 x Red/green LED for wireless**
- **Power input:** 9 to 36 VDC, typical: 12/24 VDC
- **Operating Temperature:** -40°C to +70°C (-40°C to +158°C)
- **Humidity:** 5% - 95%, non-condensing
- **Vibration Endurance:** 3 Grms (5-500Hz, X, Y, Z directions)
- **Dimensions:** 163.8 mm (6.4") (W) x 118 mm (4.6") (D) x 44 mm (1.7") (H)
- **Weight (net/gross):** TBC
- **Certifications:** CE Class A, E-Mark
- **OS Support:** Yocto Linux®, Kernel 4.9.51, Linux 4.9.88_2.0.0
  - Android 8.1.0 (Linux Kernel 4.9.78)

Ordering Information

**Standard**

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**Optional**

- GPS + Gyro sensor
- G sensor
- PCIe Mini Card (WiFi/3G/4G/LTE/GPS)

Dimensions