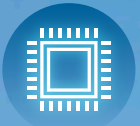




Enable Next-gen Fleet Management with ADM-IM10

Reliable | Efficient | Eco-friendly



i.MX8M Plus
ARM Cortex A53



Wide Temperature
Range



Multiple Sensors
Connections



Palm-sized
Design



System Core

CPU	i.MX8M Plus ARM Cortex A53 Quad Core 1.6GHz
Memory	2 GB LPDDR4 onboard
Storage	32 GB eMMC, 1x MicroSD slot, support up to 2TB SDXC

I/O Ports

Video/ Display	1x HDMI
Ethernet	2x 10/100/1000 Mbps Ethernet ports, RJ-45
USB	2x USB3.0, type-A
COM ports	2x RS-232/422/485
SIM	1x Micro SIM slot
M.2 B Key	1x M.2 B Key (for 4G LTE/5G Module or GNSS)
M.2 E Key	1x M.2 E Key (for WiFi/ BT)
High Density Connector (DB26)	2x RS-232 COM, 2x DI/DO, 1x Mic-in, 1x Line-out , 2x CAN Bus

Power Requirements

DC Power Input	9 to 36 VDC, 3-pin terminal block
Ignition Control	Supports ignition Sense; Standby power consumption: @24V consume current under 10mA

Mechanical

Mounting	Wall mount ; Din rail
Dimension	130mm (W) x 110mm (D) x 40mm (H)
Weight	0.4 kg

Sensor

IMU	1x G-sensor and gyroscope
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Environmental

Operating Temperature	-40°C to 85°C w/o all wireless module operating 0°C to 70°C w/ all module operating (Depending on module)
Storage temperature	-40°C to 85°C
Relative Humidity	5 to 95% (non condensing)

Certification

EMC	CE, FCC, RCM
Vehicle Regulation	E-Mark (12/24V), ISO-7637-2
Shock	MIL-STD-810H
Vibration	MIL-STD-810H
Green	RoHS

Software

OS	Linux Yocto ; Debian
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Packing

Terminal block for power connector	Packaging list : 1x Terminal block for power connector
Dust Covers	1x USB, 1x HDMI

ADLINK Automotive Technology

ADLINK offers comprehensive coverage in automotive technology, featuring ADAS solutions, cockpit domain controllers, and various levels of autonomous driving. With robust edge AI computing solutions and a dedicated IATF-16949 automotive production line, ADLINK ensures seamless performance and delivers automotive-grade quality.



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