MOBIX-III Series – In-Vehicle Fanless Computer System

MOBIX III SERIES

Robust and powerful Video Server for Automotive Industry, the Mobix-III Series can be equipped with Intel® i3, i5, i7, i9 or Xeon® Processors and can operate up to 70 °C.

Fanless Embedded System for Automotive Industry

Fibrenetix MOBIX-III Series is a fully-ruggedized video server, ideal for automotive environments where traditional computers cannot be deployed. MOBIX-III video server is designed to operate at high temperatures, in desert, vehicle and factory environments.

Up to two Hot-swappable, Removable 2.5″ SATA HDD/SSD, one Internal 2.5″ SATA HDD/SSD and supporting RAID 5, The MOBIX-III Series offers flexibility for any off-road and off grid applications.

- MOBIX-III is designed for both mobile and stationary platforms, as a cornerstone for surveillance applications in hazardous environments.
- MOBIX-III is 100% noise free and can go completely unnoticed, even in the quietest office environment.
- The mobile video server design makes MOBIX ideal for surveillance in trains, buses and armoured vehicles.
- MOBIX-III comes in standard with two LAN adapters
- Intel® i3, i5, i7, i9 or Xeon® Processors
- Operating Temperature up to 70 °C

Main Applications

- Public Safety, Transportation
- Construction
- Oil and Gas
- Construction
- Water Industry

Public Transportation, Law Enforcement and Public Safety, Cash-in-Transit, Rental Cars and Driving Institutes, Heavy Equipment, Hazardous Goods...

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MOBIX-III Series

Technical Specifications

Product Category	MOBIX-III Series
Processor	Intel® Core®i3/i5/i7/i9 or Xeon® Processor
Core Logic	Intel® W480 Express Chipset
Memory	2x 260-Pin DDR4 2400/2666MHz SODIMM - Max. up to 64GB
OS Storage (internal 2.5")	1x Internal 2.5" SATA HDD/SSD Bay 2x Removable 2.5" SATA HDD Bay - Hot-Swappable
M.2	1x M.2 (E Key, PCIe x1, USB 2.0, 2230, Support CNVi)
Hardware RAID Levels	RAID 0, 1, 5
Network	GbE1: Intel I219 (Support Wake-on-LAN and PXE) - RJ45 GbE2: Intel I210 (Support Wake-on-LAN and PXE) - RJ45
Graphics	Intel® UHD Graphics 630
Multiple Display	1x DVI-I, support resolution 1920 x 1200 2x DisplayPort, support resolution 4096 x 2304, DP++ Triple Display Supported VGA (by optional split cable)
Audio Codec	Realtek ALC888S
I/O Ports	2x RS-232/422/485 6x RS-232/422/485 (internal) 6x USB 3.2 Gen 2 (10Gbps), 3x USB 3.2 Gen 1 (5Gbps, 1x internal), 2x USB 2.0 header (internal) 2x GbE RJ45 1x Mic-in, 1x Speaker-out 8x IN, 8x OUT Digital IO (isolated) 2x Universal I/O Bracket (By mini PCIe interface) 1x Power Switch, 1x AT/ATX Switch 1x Remote Power On/Off, 1x PC/Car Switch, 1x Delay Time Switch 1x Removable CMSO Battery 4x 4-Pin Power Connector, 1x 4-PIN FAN Connector
SIM Socket	2x External SIM socket (Mini PCIe attached)
Optional Expansion Modules	D10G Module, 2x 10GbE Ports with Intel® X710 Chipset LAN/POE Module, 4x RJ45 LAN/POE Ports with Intel® I350 Chipset M12 Module, 4x M12 LAN/POE Ports with Intel® I350 Chipset USB Module, 4x USB 3.0 Ports 5G Module, 1x M.2 for 5G (B Key, PICe x4, USB3.0, 3042/3052), Including 2x SIM socket, 1x SIM switch (1x Universal Slot Only)
Operating System	Windows 10
Power Connector	5-pin Terminal Block (9~48VDC) 3-pin Terminal Block (48~110VDC, Optional)
Power Ignition Sensing	Power Ignition Management
Power Adaptor	Optional AC/DC 24V/9.2A, 220W
Power Protection	OVP (Over Voltage Protection) - OCP (Over Current Protection) - Reverse Protection
Voltage	9 to 48 VDC
Dimensions – mm (D x W x H)	261 x 240 x 79.2
Weight - kg	3.1 to 3.5 kg (net)
Environment	Operation temperature: -25°C ~ 70°C (35W/65W CPU) - Non-operation temperature: -30°C ~ 85°C
Relative Humidity (%)	Non-operation humidity: 10%~ 95% (Non-condensing)
Vibration	With SSD: 5 Grms, 5-500Hz, 0.5 hr/axis - With HDD: 1 Grms, 5-500Hz, 0.5 hr/axis
Shock	With SSD: 50G, half sine, 11ms
Standards/Certification	CE, FCC Class A, E-Mark, EMC Conformity with EN50155 & EN50121-3-2
Warranty Period	3 Years
BTU/hr (with optional Power Adaptor)	410.31

Specifications are subject to change, without prior notice

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