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MOBIX-IV Series – Superior Fanless Embedded System



MOBIX-IV SERIES

Robust and powerful Video Server for Mobile and Hazardous Environments, the Mobix-IV can be equipped with 4x Hard Disk Drives and supports natively RAID 5

RAID 5 Video Server for Mobile and Hazardous Environments

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

Up to 2x Internal SATA port for 2.5" HDD/ SSD installation, supporting RAID 0/ 1.

Main Applications

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



- MOBIX-IV is designed for both mobile and stationary platforms, as a cornerstone for surveillance applications in hazardous environments.
- MOBIX-IV 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.
- With built-in support for a mobile SIM card, MOBIX-IV can transmit any recorded video streams to a central control room, using a regular 3G/4G or 5G network.
- MOBIX-IV comes with 4 or 8 POE LAN connections in RJ45 and M12, offering an easy and cost effective integration to IP cameras.
- MOBIX-IV is an open platform device, running Windows 10 or LINUX.

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

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Technical Specifications

Product Category	Mobix IV Series
Processor	Supporting Intel® Xeon® E and 9th/ 8th-Gen CPU (LGA1151 socket) - Xeon E 2278GE (8C/16T) / 2278GEL (8C/16T) / 2176G (6C/12T) - i7-9700E, i7-9700TE, i7-8700, i7-8700T - i5-9500E, i5-9500TE, i5-8500, i5-8500T - i3-9100E, i3-9100TE, i3-8100, i3-8100T
Core Logic	Intel® C246 platform controller hub
Memory	Up to 64 GB ECC/ non-ECC DDR4-2666/ 2400 SDRAM (two SODIMM sockets)
Graphics	Integrated Intel® UHD Graphics 630
Display	1x VGA (M12 A-coded), supporting 1920 x 1200 resolution
M.2	1x M.2 2280 M key socket (PCIe Gen3 x4) for NVMe SSD or Intel® Optane™ memory installation
SSD/HDD	2x Internal SATA port for 2.5" HDD/ SSD installation, supporting RAID 0/ 1
mSATA	2x full-size mSATA port (mux with mini-PCIe)
Expansion Modules	2x full-size mini PCI Express socket (mux with mSATA) or 2x full-size mini PCI Express socket (mux with mSATA) 2x full-size mini PCI Express socket
I/O Ports	- Audio : 1x mic-in and speaker-out (M12 A-coded) - PoE+ : 1x IEEE 802.3at (25.5W) Gigabit PoE+ ports by Intel® I219 (M12 X-coded), 3x IEEE 802.3at (25.5W) Gigabit - PoE+ ports by Intel® I210 (M12 X-coded), 7x IEEE 802.3at (25.5W) Gigabit PoE+ ports by Intel® I210 (M12 X-coded) - USB : 2x USB 2.0 (M12 A-coded) 1x USB 2.0 (internal), 4x USB 2.0 (M12 A-coded), 1x USB 2.0 (internal)
Power Adaptor	8 to 48V DC input (M12 S-coded)
Operating Temperature	with 35W CPU : -40°C ~ 70°C **** with >= 65W CPU : -40°C ~ 70°C ***/ **** (configured as 35W TDP mode), -40°C ~ 50°C ***/ **** (configured as 65W TDP mode)
Storage Temperature	-40°C ~85°C
Relative Humidity	10%~90% , non-condensing
Vibration	MIL-STD-810G, Method 514.7, Category 4
Shock	MIL-STD-810G, Method 516.7, Procedure 1
Standard/Certification	EN-50155, CE/FCC Class A, according to EN 55032 & EN 55035
Dimensions	220mm (W) x 310mm (D) x 90.5mm (H)
Weight	5.8 kg
Mounting	Rack-mounting and wall-mounting
Warranty Period	3 Years

*Specifications are subject to change, without prior notice