



MOBIX-I Series – Superior Fanless Embedded System



MOBIX-I SERIES

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

RAID 5 Video Server for Mobile and Hazardous Environments

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

Up to two internal 2.5" SSDs of 15.36 Terabytes each of storage capacity (Raw Storage of 30.72TB).

Main Applications

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



Features

- MOBIX-I is designed for both mobile and stationary platforms, as a cornerstone for surveillance applications in hazardous environments.
- MOBIX-I 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-I can transmit any recorded video streams to a central control room, using a regular 3G/4G or 5G network.
- MOBIX-I comes with 4 or 8 POE LAN connections in RJ45 and M12, offering an easy and cost effective integration to IP cameras.
- MOBIX-I 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-I Series
Processor	Support 10th Gen Intel® CML S Processor (LGA 1200, 35W TDP) - Intel® Core™ i9-10900TE, 10 Cores, 20MB Cache, up to 4.5 GHz, TDP 35W - Intel® Core™ i7-10700TE, 8 Cores, 16MB cache, up to 4.4 GHz, TDP 35W - Intel® Core™ i5-10500TE, 6 Core, 12MB Cache, up to 3.7 GHz, TDP 35W - Intel® Core™ i3-10100TE, 4 Cores, 9MB Cache, up to 3.6 GHz, TDP 35W - Intel® Pentium® G6400TE, 2 Cores, 4MB Cache, 3.2 GHz, TDP 35W - Intel® Celeron® G5900TE, 2 Cores, 2MB Cache, 3.0 GHz, TDP 35W
Core Logic	Intel® Q470E Express Chipset
Network	GbE1: Intel I219 (Support Wake-on-LAN and PXE) 2.5 GbE2: Intel I225 (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
Memory	2x 260-Pin DDR4 2666/2933MHz SODIMM. Max. up to 64GB
Display	Display port : 3x DisplayPort, support resolution 4096 x 2304 (1x DP Port Co-layout HDMI Connector) HDMI : Yes, Shared by 1x DP port Multiple Display : Triple Display
SSD/HDD	1x Internal 2.5" SATA HDD Bay (support H=9mm) 1x Removable 2.5" SATA HDD Bay (support H=7mm, hot-swappable) Support RAID 0, 1, 5
mSATA	1x mSATA
SIM Socket	2x External SIM socket (Mini PCIe attached)
Expansion Modules	1x M.2 (E Key, PCIe x1, USB 2.0, 2230), 1x M.2 B Key, 2242/3042/3052 (PCIex2, Support AI Module/NVMe Storage) (PCIex1&USB 3.2 Gen1, Support 4G/5G) Mini PCIe : 1x Full-size Mini PCIe
I/O Ports	6x USB 3.2 Gen 2 (10Gbps) 1x USB 3.2 Gen 1 (5 Gbps, internal) 1x USB 2.0 (internal) 5x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off 1x PC/Car Mode Switch, 1x Delay Time Switch 1x CMOS Battery 1x 4-Pin FAN Connector
Operating System	Windows 10 Linux kernel
Power Connector	3-pin Terminal Block
Power Adaptor	Optional 1 : AC/DC 24V/5A, 120W Optional 2 : AC/DC 24V/9.2A, 220W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection
Operating Temperature	-25°C to 70°C (35W CPU)
Storage Temperature	-30°C ~ 85°C
Relative Humidity	10% to 95% (non-condensing)
Vibration	With SSD: 5 Grms, 5 - 500 Hz, 0.5 hr/axis With HDD: 1 Grms, 5 - 500 Hz, 0.5 hr/axis
Shock	With SSD: 50G, half sine, 11ms
Standard/Certification	UL, CE, FCC Class A, EMC Conformity with EN50155 & EN50121-3-2
Dimensions	192 (W) x 227 (D) x 60.3 (H) mm
Weight	3.3kg - 4.1 kg
Mounting	Wall Mounting
Warranty Period	3 Years
BTU/hr	Optional 1 : 409,2 Optional 2 : 750,2