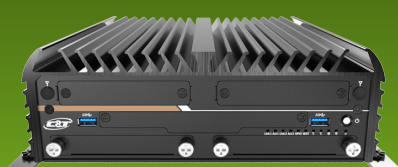# MOBIX-II Series – Superior Fanless Embedded System

MOBIX-II SERIES

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

RAID 5 Video Server for Mobile and Hazardous Environments

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

Up to four internal 2.5" SSDs of 15.36 Terabytes each of storage capacity (Raw Storage of 61.44TB).

Main Applications

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

Features

- MOBIX-II is designed for both mobile and stationary platforms, as a cornerstone for surveillance applications in hazardous environments.

- MOBIX-II 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-II can transmit any recorded video streams to a central control room, using a regular 3G4G or 5G network.

- MOBIX-II comes with 4 or 8 POE LAN connections in RJ45 and M12, offering an easy and cost effective integration to IP cameras.

- MOBIX-II 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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MOBIX-II Series

Technical Specifications

Product Category	MOBIX-II Series
Processor	Support 6th & 7th Gen Intel® Core™ i7 / i5 / i3 / Pentium® / Celeron® Desktop Processor (LGA 1151) - 7th Gen Intel® Core™ i7-7700T, Quad Core, 8MB cache, up to 3.8 GHz - 7th Gen Intel® Core™ i5-7500T, Quad Core, 6MB cache, up to 3.3 GHz - 7th Gen Intel® Core™ i3-7101TE, Dual Core, 3MB Cache, 3.4 GHz - 6th Gen Intel® Core™ i7-6700TE, Quad Core, 8MB cache, up to 3.4 GHz - 6th Gen Intel® Core™ i5-6500TE, Quad Core, 6MB Cache, up to 3.3 GHz - 6th Gen Intel® Core™ i3-6100TE, Dual Core, 4MB Cache, 2.7 GHz - Intel® Pentium® G4400TE, Dual Core, 3MB Cache, 2.4 GHz - Intel® Celeron® G3900TE, Dual Core, 2MB Cache, 2.3 GHz
Core Logic	Intel® Q170 Express Chipset
Network	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I219LM (Support Wake-on-LAN and PXE) GbE3~GbE10: Intel® I350-AM4 (Optional)
Audio Codec	Realtek ALC888S
Memory	2x 260-Pin DDR4 1866/2133MHz SODIMM. Max. up to 32GB
Display	VGA : Yes (by optional split cable) DVI : 1x DVI-I Display Port : 2x DisplayPort Multiple Display : Triple Display
SSD/HDD	2x Internal 2.5" SATA HDD Bay 2x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5, 10
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket 1x Internal SIM socket
Expansion Modules	Mini PCI Express : 3x Full-size Mini PCIe 4-Port GbE (Optional) : 4-port GbE module with Intel® I350-AM4 Chipset, RJ-45 or M12 connector (PoE optional), Occupied one Universal I/O Slot 2-Port GbE (Optional) 2-Port RJ45 10GbE with Intel X710-AT2 Chipset, Occupied one Universal I/O Slot 4-Port USB (Optional) 4-Port USB with Renesas uPD720201K8 host controller, Occupied one Universal I/O Slot
I/O Ports	COM : 2x RS-232/422/485, 3x RS-232/422/485 (internal) USB : 6x USB 3.0, 2x USB 2.0 (internal) LAN : 2x RJ45 Audio : 1x Mic-in, 1x Speaker-out DIO : 8 in / 8 out (Isolated) Universal I/O Bracket : 2x Universal I/O Bracket (By mini PCIe interface) Others : 6x WiFi Antenna Holes, 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off
Operating System	Windows : 6th Gen CPU Windows 10, Windows 7, WES7	7th Gen CPU: Windows 10 Linux : Linux kernel 4.X
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
Storage Temperature	-30°C to 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	CE, FCC Class A, E-Mark, EMC Conformity with EN50155 & EN50121-3-2
Dimensions	240 (W) x 261 (D) x 79 (H) mm
Weight	3.94 ~ 4.98 kg
Mounting	Wall Mounting
Warranty Period	3 Years
BTU/hr	Optional 1 : 409,2. Optional 2 : 752,9

Specifications are subject to change, without prior notice

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