

# MOBIX Series

## 504/506 servers



### Video Server for Mobile and Hazardous Environments

High temperature tolerant | Shock and vibration tolerant | Built-in POE for IP cameras | Ultimate computer power for demanding applications



Fibrenetix MOBIX is a semi-ruggedized video server, ideal for hazardous environments where traditional computers cannot be deployed. MOBIX video server is designed to operate at high temperatures, in desert, vehicle and factory environments. With no moving parts, and custom rubber fixing points for all electronic parts, MOBIX provides optimal vibration and shock tolerance.

Dual onboard solid state disks offer up to 2 Terabytes of storage capacity. In addition, via an iSCSI host connection, MOBIX can store video streams to an external iSCSI storage device, offering 1000 Terabytes or 1 Petabyte of additional storage.

- MOBIX is designed for both mobile and stationary platforms, as a cornerstone for surveillance applications in hazardous environments
- MOBIX 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 can transmit any recorded video streams to a central control room, using a regular 3G or 4G network
- MOBIX comes with 4 or 6 port POE LAN connections, offering an easy and cost effective integration to IP cameras
- MOBIX is an open platform device, running Windows 10 or LINUX
- MOBIX also comes with an optional pre-installed full-feature VMS (NVR software) making MOBIX video server a truly plug'n'play network video recorder
- MOBIX is certified for Milestone, Genetec, Cathexis and Honeywell VMS

**fibrenetix**

## Technical Specifications

### System

#### MOBIX 504/506

Processor	Intel® Core™ i7-6700 (8M Cache, 3.4/4.0 GHz, 35-65W TDP)* Intel® Core™ i5-6500 (6M Cache, 3.2/3.6 GHz, 35-65W TDP)* Intel® Core™ i3-6100 (3M Cache, 3.7 GHz, 35-51W TDP)*
Chipset	Intel® Q170 Platform Controller Hub
Graphics	Integrated Intel® HD Graphics 530
Memory	Up to 32GB DDR4-2133 SDRAM memory via two SODIMM sockets
AMT & TPM	Supports AMT 11.0 & TPM 2.0

### I/O Interface

Ethernet	4 × Gigabit Ethernet ports by Intel® I219 and I210 (MOBIX 504) 6 × Gigabit Ethernet ports by Intel® I219 and 5x I210 (MOBIX 506)
PoE+	Optional IEEE 802.3at PoE+ PSE for GbE Port 3 ~ Port 6, maximum power budget 80W
USB	4 × USB 3.0 ports via native XHCI controller 4 × USB 2.0 ports
Video Port	1 × stacked VGA + DVI-D connector 2 × display port connectors, supporting 4K/2K
Serial Port	2 × software-programmable RS-232/422/485 port (COM1 & COM2) 1 × RS-232 port (COM3)
Audio	1 × Mic-in and 1 × Speaker-out

### Storage

Capacity	SATA SSD drives (optional 2 × 500GB or 2 × 1TB SSDs) iSCSI support for external storage up to 1000 Terabytes (1 Petabyte)
mSATA	1 × full-size mSATA port (mux with mini-PCIe)

### Expansion Bus

Mini PCI-E	1 × internal mini PCI Express socket with front-accessible SIM socket 1 × internal mini PCI Express socket with internal SIM socket
------------	--

### Power Supply

DC Input	1 × 3-pin pluggable terminal block for 8-35VDC DC input
Remote Ctrl. & Status Output	1 × 10-pin (2x5) wafer connector for remote on/off control and status LED output

### Mechanical

Dimensions – mm (D × W × H)	225 × 240 × 77
Weight	3.1kg
Mounting	Via wall mounting bracket or optional DIN-Rail mounting

### Environmental

Operating Temperature	with i7-6700TE, i5-6500TE, i3-6100TE (35W TDP) -25°C ~ 70°C ** with i7-6700, i5-6500, i3-6100 (65W/51W TDP) -25°C ~ 70°C */** (35W CPU mode)
Storage Temperature	-40°C ~ 85°C
Humidity	10%–90% , non-condensing
Vibration	Operating, 5 Grms, 5-500 Hz, 3 Axes (w/ SSD, according to IEC60068-2-64)
Shock	Operating, 50 Grms, Half-sine 11 ms Duration (w/ SSD, according to IEC60068-2-27)
EMC	CE/FCC Class A, according to EN 55022 & EN 55024

\*/\*\* For i7-6700 running at 65W mode, the maximum operating temperature is limited to 50°C and thermal throttling may occur with sustained full-load.

## Product Codes

**MOBIX-504 Series** – Intel® 6th-Gen Core™ low-profile fanless controller with 4× GbE

**MOBIX-506 Series** – Intel® 6th-Gen Core™ low-profile fanless controller with 6× GbE, optional 802.3at PoE+ for GbE port 3 ~ port 6

**Accessories** – Optional DIN-Rail mounting kit 120W AC/DC power adapter

\*Specifications are subject to change, without prior notice.

**fibrenetix**