



Data sheet

MOBIX NANO II Series – 320/350 servers



MOBIX NANO II SERVER

Ultra-Compact fanless video server with build-in POE ports
Ideal for In-vehicle CCTV or as a compact ruggedized server for ATM's and hazardous environments.
MOBIX NANO is the ideal video server for Fibrenetix Smart Vehicle Management Solution (SVMS).

Small form factor – when space is at a premium

Mobix Nano II is a ruggedized video server in an Ultra-compact form factor making it ideal for environments where normal servers can not operate. With a wide temperature range from -25°C to 60°C. Mobix Nano II are the ideal server in most hazardous environments. Either as a mobile device in vehicles or as a powerful video and access control server for ATM's (cash point machines). Low voltage DC input offers support for Solar Power or in-vehicle power.

Like MOBIX, the Mobix Nano II has no moving parts and are completely fanless – Mobix Nano II has high tolerances to vibration and shock. The Dual-core processor offers support for up to 24 Cameras recording in HD resolution. The build in mSATA storage disks has enough capacity of up to 30 days recording. Making this little powerhouse one of the best in its class.

Tracking and Video Surveillance Solution for:



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

- Ultra-compact video server for mobile and stationary environments
- 100% noise free – easy to conceal
- Low maintenance – easy to field replace in unlikely situation of failures
- Built-in support for GPS tracking and SIM card for 3G/4G mobile communication
- Low voltage DC input (8 to 48V) compatible with most vehicles and even Solar Power units
- Fully tested and compatible with Key VMS's – like Milestone, Genetec, Cathexis, Honeywell and others
- POE ONVIF compatible – all major camera manufacture supported
- Build-in storage for Video recording (SSD based)
- VGA + DP dual display outputs

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Technical Specifications

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| Product Category | Mobix Nano II |
| Processor | Supporting Intel® 13th-Gen Core™ CPU (LGA1700 socket, 65W/ 35W TDP) - Intel® Core™ i9-13900E/ i9-13900TE - Intel® Core™ i7-13700E/ i7-13700TE - Intel® Core™ i5-13500E/ i5-13400E/ i5-13500TE - Intel® Core™ i3-13100E/ i3-13100TE Supporting Intel® 12th-Gen Core™ CPU (LGA1700 socket, 65W/ 35W TDP) - Intel® Core™ i9-12900E/ i9-12900TE - Intel® Core™ i7-12700E/ i7-12700TE - Intel® Core™ i5-12500E/ i5-12500TE - Intel® Core™ i3-12100E/ i3-12100TE - Intel® Pentium® G7400E/ G7400TE - Intel® Celeron® G6900E/ G6900TE |
| Core Logic | Intel® H610E platform controller hub |
| Network | 4x 2.5GBASE-T Ethernet ports by Intel® I226-IT GbE controllers |
| Memory | Up to 32GB non-ECC DDR4 3200 SDRAM (one SODIMM slot) |
| Graphics | Integrated Intel® UHD Graphics 770 (32EU) / 730 (24EU) |
| Display | 1x VGA output, supporting 1920 x 1200 resolution 1x DisplayPort, supporting 4096 x 2304 resolution |
| M.2 | 1x M.2 2280 M key socket (PCIe Gen4 x4) for NVMe SSD |
| mSATA | 1x hot-swappable 2.5" HDD/ SSD tray for 7mm HDD/ SSD |
| Expansion Modules | 2x full-size mini PCI Express sockets with internal SIM sockets 1x M.2 2230 E key socket for WiFi5, WiFi6 or Google edge TPU module |
| I/O Ports | - USB : 4x USB 3.2 Gen1 (5 Gbps) ports, 2x USB 2.0 ports - Audio : 1x 3.5 mm jack for mic-in and speaker-out - DIO : 4-CH isolated DI and 4-CH isolated DO - COM : 1x software-programmable RS-232/422/485 ports (COM1), 3x 3-wire RS-232 ports (COM2/3/4) or 1x RS-422/485 port (COM2) - PoE+ : Optional IEEE 802.3at PoE+ PSE for 4x2.5GbE ports 100 W total power budget |
| Power Connector | 1x 3-pin pluggable terminal block |
| Power Adaptor | 8 to 48V DC input with optional ignition power control |
| Operating Temperature | with 35W CPU : -25°C ~ 60°C [2] with 65W CPU (installation of the optional fan kit is recommended) : -25°C ~ 60°C [2]/[3] |
| Storage Temperature | -40°C ~ 85°C |
| Relative Humidity | 10%~90% , non-condensing |
| Vibration | MIL-STD-810H, Method 514.8, Category 4 |
| Shock | MIL-STD-810H, Method 516.8, Procedure I |
| Standard/Certification | CE/FCC Class A, according to EN 55032 & EN 55035 |
| Dimensions | 212mm (W) x 165 mm (D) x 63 mm (H) |
| Weight | 2.5 kg |
| Mounting | Wall-mount (standard) or DIN-rail mount (optional) |
| Warranty Period | 3 Years |

^[1] A BIOS update may be required for the system to recognize 13th-Gen processors. Please contact Neousys Technology for more information.

^[2] For sub-zero operating temperature, a wide temperature HDD or Solid State Disk (SSD) is required.

^[3] For 65W CPUs, the optional fan kit is recommended for operating at ambient temperatures higher than 50°C

Specifications are subject to change, without prior notice.

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