

Hardware platform for mobile applications

G-ST 500+G3/4R



The hardware platform is designed for mobile use and guarantees optimal interaction with Geutebrück software. The certified construction can be used in vehicles of all kinds and can also be connected via wireless transmission (WLAN, mobile radio). Due to the special design, the hardware is passively cooled and requires no active cooling. The device has four network ports (PoE+). Please note: The parameterization of the system determines the required hardware resources.

- Rugged and compact unit for freight trains, trucks, transport vehicles, armored cars, or sea containers.
- Installation in government vehicles, school buses or, public transportation trains and buses for safety and security with complete documentation.
- Forklift trucks, cranes or other heavy equipment for optimum video monitoring of operational processes.

- Simple installation in or on vehicles due to compact and easy design.
- Direct on-board operation through low-voltage power supply.
- Installed PoE Ethernet ports for direct connection of IP cameras (4 x RJ-45 connectors).
- Wide temperature range from -25°C - 70°C .
- Additional modules (LTE, WIFI & GPS) enable wireless access to video streams and location of the current location.
- Due to passive cooling of the device, no external cooling is necessary.
- Perfectly adapted to the requirements of video surveillance (CCTV).

Technical Data

Software

Operating System: Windows 10 IoT Enterprise LTSC	G-Core: 8.1 or newer with GPU support
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Performance*

Record: 825 Mbit/s database, 4-channels*	Viewer: Viewer: 340 Mbit/s; 4-channels*	G-Tect: AD: 4channels, VMD: 4 channels, VMX: 4 channels
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Memory

System Disc 1x 256GB M.2 SSD	Image memory: opt. 2x SDD (1x Hot-Plug)
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System

Processor: Intel Core i5-12500E 12th gen. IoT	Memory RAM: 16GB DDR5 dual channel	Video outputs: 1x DisplayPort, 1x DVI-D, 1x VGA (Recommended use: max.2)
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Audio output: 1x stereo (line out, phone jack 3.5mm), display port	USB: 4x USB 3.2(Gen2), 2x USB 3.2(Gen1), 1x USB-C 3.2(Gen2), 2x USB 2.0	Network interfaces: 1x Port 10/100/1000 MBit/s 1x Port 10/100/1000/2500 MBit/s
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Other Interfaces

Network PoE Interface: 4x IEEE 802.3at RJ45 Gigabit PoE+ ports	Power supply / DC Input: 8 - 48 V DC, 280W Ignition Control	Power consumption: approx. 80W (without PoE)
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Serial Ports: 2x RS-232/422/485 Ports (COM1,COM2), 2x RS-232 Ports (COM3,COM4)	IO Ports: 4CH isolated DI 4CH isolated DO	CAN Bus: 1x isolated CAN 2.0 Port
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Environment

Operating temperature: -40°C to +70°C 10% -90% non-condensing	Vibration, Shock: EN 50155:2017/ IEC 61373, Category I, Class B - Body mounted	Form factor / Dimensions: Mini Rugged Case, 240 mm (W) x 225 mm (D) x 84 mm (H)
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Certifications

CE/FCC: Class A, according to EN 55032 / EN 55035	EMC: E-Mark, EN 50121 (EN 50155 EMC)
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Warranty

3 years (opt. 5 years)

Accessories

Image storage: 2x SDD image storage	External Power Supply: 4.94471 PSU 100 - 240 VDC, 50 -60 Hz	Antenna: 4.94474 5G-Antenna SMA-M 4.94475 WiFi-Antenna RPSMA-M
WiFi: 1.02958 mPCI WiFi 6 Kit	Cellular: 1.02959 M.2 5G / LTE Kit	External Antenna: 4.94476 5G/Wifi/GPS-Antenna Magnetic Mount

*Configuration: G-ST 500+G3 i5 Video source: Based on 4 PoE Camera Ports, Scene Outdoor, Active, 25fps, H.264, 5MP-4K Resolution. Each test was performed separately. In combination the values are lower.

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