GEUTEBRÜCK

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.

- Monitoring of train wagons or sea containers.
- Installation in government vehicles or buses for complete documentation.
- Forklift trucks for optimum monitoring of 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).

Please note that prices for RAM, SSD, and HDD components are subject to short-term changes due to market conditions. The only binding price is the one displayed at the time of order placement.

Technical Data

Software

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

Performance*

Record: 825 Mbit/s database; 95 channels*	**Viewer:** Viewer: 340 Mbit/s; 35 channels*	**G-Tect:** AD: 60 channels, VMD: 62 channels, VMX: 50 channels

Memory

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

System

Processor: Intel Core i3, i5 or i7 12th gen. IoT	**Memory RAM:** 16GB DDR5 dual channel	**Video outputs:** 1x DisplayPort, 1x DVI-D, 1x VGA (Recommended use: max.2)
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

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)
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

Environment

Operating temperature: -40°C to +70°C 10% -90% non-condensing **Weight:** Approx. 3.7 kg net (with PSU 6.3 kg)	**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)

Certifications

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

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: Scene OutdoorLively, 25fps, H.264, FullHD. Each test was performed separately. In combination the values are lower.

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