

## Hardware platform for mobile applications

### G-ST 500+G3/4M



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 robust M12 network connections (PoE+).

- 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 M12 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

<b>Operating System:</b> Windows 10 IoT Enterprise LTSC	<b>G-Core:</b> 8.1 or newer with GPU support
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## Performance\*

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

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

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

## Other Interfaces

<b>Network PoE Interface:</b> 4x IEEE 802.3at M12 X-coded Gigabit PoE+ ports	<b>Power supply / DC Input:</b> 8 - 48 V DC, 280W Ignition Control	<b>Power consumption:</b> approx. 80W (without PoE)
<b>Serial Ports:</b> 2x RS-232/422/485 Ports (COM1,COM2), 2x RS-232 Ports (COM3,COM4)	<b>IO Ports:</b> 4CH isolated DI 4CH isolated DO	<b>CAN Bus:</b> 1x isolated CAN 2.0 Port

## Environment

<b>Operating temperature:</b> -40°C to +70°C 10% -90% non-condensing	<b>Vibration, Shock:</b> EN 50155:2017/ IEC 61373, Category I, Class B - Body mounted	<b>Form factor / Dimensions:</b> Mini Rugged Case, 240 mm (W) x 225 mm (D) x 84 mm (H)
<b>Weight:</b> Approx. 3.7 kg net (with PSU 6.3 kg)		

## 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

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

**Order no. 15.60058**