

## Hardware platform for stationary applications

### G-ST 8000+ G3



The hardware platform in 19-inch design with higher reliability guarantees optimal interaction with Geutebrück software. Ideal as a stand-alone device for large, demanding systems with very high storage space requirements, as well as for use in networked branches or branch offices.

- Where a server OS is required: For example, Datacentres, Hospitals, Museum, Correctional Facilities, Casinos, Defence, Large Retail and Logistic Centres.
- Enables the processing of a large amount of data in conjunction with high redundancy requirements.

- High performance model with high reliability due to an integrated RAID system for max. 16 hard disks.
- Possibility to increase the memory space by connecting further external memory systems.
- Depending on the application, the hardware can be configured with appropriate components.
- Higher reliability through the choice of additional redundancy concepts.
- Perfectly adapted to the requirements of video surveillance (CCTV).

# Technical data

## Software

|   |   |   |
|---|---|---|
| <b>Operating System:</b><br>Microsoft Server 2022 Std. IoT LTSC, CAL-Less | <b>G-Core:</b><br>8.1 or newer with GPU support | <b>G-SIM:</b><br>10.0.1 or newer with GPU support |
|---|---|---|

## Performance\*

|   |  |   |
|---|--|---|
| <b>Record:</b><br>790 Mbit/s database;96 channels | <b>Viewer:</b><br>430 Mbit/s; 46 channel | <b>G-Test:</b><br>AD: 81 channels, VMD: 80 channels, VMX: 59 channels |
|---|--|---|

## Memory

|  |  |
|--|--|
| <b>System:</b><br>1x M.2 SSD 256GB (opt. 2x M.2 SSD Raid1) | <b>Image memory:</b><br>up to 16xHDD, hot swap, Raid 0,1,5,6 |
|--|--|

## System

|   |   |  |
|---|---|--|
| <b>Processor:</b><br>Intel Core i7 12th gen. IoT  | <b>Memory RAM:</b><br>32GB ECC DDR5 (opt. 64GB)   | <b>Video outputs:</b><br>4x DisplayPort V1.4a  |
| <b>Audio output:</b><br>1x stereo (line out, phone jack 3.5mm), display port  | <b>Audioformat:</b><br>G.711 (PCM) A-law, µ-law with 8 kHz, Uncompressed PCM up to 16 kHz | <b>Network interfaces:</b><br>1x Port 10/100/1000 MBit/s base-TX iAMT<br>2x Port 10/100/1000/2500 MBit/s |
| <b>Other interfaces:</b><br>1x RS232<br>16x input contacts, sabotage monitored<br>8x potential free relay outputs, 24VDC 1A | <b>Power supply:</b><br>Redundant: 100-240V AC / 60-50 Hz ±10%, 2x 760W Hot-Swap          | <b>Power consumption:</b><br>Ø 340 W; Max. 540 W   |

## Environment

|   |                                 |  |
|---|---------------------------------|--|
| <b>Operating temperature:</b><br>0°C to +40°C | <b>Form factor:</b><br>3U / 3HE | <b>Dimensions:</b><br>19" rack mount unit: 3U x 710 mm (depth); 482 x 133 x 710 mm (W x H x D) |
|---|---------------------------------|--|

## Certifications

|         |
|---------|
| CE, EAC |
|---------|

## Warranty

|                        |
|------------------------|
| 3 years (opt. 5 years) |
|------------------------|

## Accessories

|   |  |  |
|---|--|--|
| <b>System memory:</b><br>0.08060   M.2 SSD 256GB mirrored, Raid 1 | <b>Image storage:</b><br>up to 16x HDD image storage 2-20 TB per HDD             | <b>Network interfaces:</b><br>5.35466   1 Port Gbit network card PCIe<br>5.35465   2 Port Gbit network card PCIe |
| <b>Memory RAM:</b><br>1.02922   16GB ECC RAM Kit (max. 64GB)      | <b>SQL Server:</b><br>4.92898   SQL Server 2022 IoT Standard with 5 CAL embedded | <b>Memory expansion:</b><br>4.94389   RAID-Controller 9580-8i8e for JBOD   |

\*Configuration: G-ST 8000+G3 with i7 and 32GB RAM Video source: Scene OutdoorLively, 25fps, H.264, FullHD. Each test was performed separately. In combination the values are lower.

Order no. 0.60801