

GEUTEBRÜCK Modular Server

The Enterprise Solution for IP-based
video surveillance



Product information

GEUTEBRÜCK's modular server used with the GeViScope software package is a complete and flexible system of modular construction which can be customized to the needs of our clients – not the other way round. Compared to an equivalent conventional server infrastructure of six 2HU servers, the GEUTEBRÜCK modular server uses 35% less energy and offers additional system savings in network and KVM switches. GEUTEBRÜCK's modular server offers a complete network and management infrastructure in a single unit (office in a box), as a rack or desktop unit.

Integrated SAN

- | Redundant storage controller (active - active)
- | Up to 8,4 TB SAS storage, gross internal
- | Easy scalability of the hard disk array using Promise E61OS and J61OS/J830S DiskArray on up to 1.2 PB – configurable with the GEUTEBRÜCK modular server's own management system

Integrated Network

- | Up to 24 Gigabit internal ports – up to 20 Gigabit external ports
- | Redundant Ethernet switches

Integrated Management

- | Virtual presence
- | KVM over IP
- | Virtual drives

Constructed using Intel® Multi-Flex Technology, the GEUTEBRÜCK modular server has its own integrated storage, computer and network and this simplifies the complex IT environment. It is a server system offering uninterruptible installation, seamless migration, scaleable growth. It supports up to six server compute modules and 14 SAS 2½ inch hard disk drives as well as two Ethernet switch units, two RAID controllers with integral SAN and a management unit. GEUTEBRÜCK's modular server is a high performance, flexible solution for video surveillance installations.

Advantages for users:

- | Saves energy
- | Saves space
- | Management (local and remote)
- | Expandable
- | Quality
- | Performance
- | Long-term availability of the platform

When can or should you use a modular server?

- | When high availability or high redundancy is required
- | When space is limited
- | When an expandable system is required, e.g. more DVRs, bigger databases, faster processors

Technical data

Chassis	Intel Multiflex Server MFSYS25 (Clear Bay)
Form Factor	6 HU chassis for rack or base mount
Chassis Dimensions	Height: 262 mm (6 HU), Width: 445 mm, Depth: 721 mm, Weight (full configuration) 85 kg
Front Panel	Storage drive bay supports 14 x 2.5" SAS/SATA hard disk drives, Up to six Server Compute Modules, One Hot Swap I/O Fan Module
Rear Panel	One Management Module Up to two Ethernet Switch Modules, Up to two Storage Control Modules, Four power supply bays for 3+1, redundancy, Two hot swap fan modules
Storage Controller	RAID: 0, 1, 1E, 5, 6, 10, 50, 60 Expansion through external mini-SAS-Port to external SAS RAID array, Six internal SAS full-duplex ports, Active-Active-Redundancy, Battery Backup Unit
Ethernet Switch-Modul	Ten external 10/100/1000 GbE full-duplex ports, Twelve internal 1 GbE full-duplex ports, Integrated Management, Intelligent Switching (Layer 2+ features) ACL, QOS, Link Aggregation, 10K Jumbo Fame, VLAN, STP and RSTP, Non blocking, full bandwidth input/output performance
Management Module	External 10/100 Ethernet port, External serial port, Remote management: Remote media access, Remote console access, Integrated KVM, Hardware monitoring
Server Compute Module	Optional up to six modules
Chassis Power Requirements	Up to four 1000 W DC output power supply modules with 110-240V AC input Power consumption at full system configuration: 3000 watts
Chassis Environment	Operating temperature: 10°C up to 35°C Altitude: -30 up to 1500 m
Chassis Security	UL60 950, CSA60 950, AS/NZS 3562, GB4943-1995, EN60 950 and 73/23/EEC, IEC 60 950, EMKO-TSE (74-SEC) 207/94, GOST-R 50377-92
Chassis Emission	Certificated up to FCC Class A; tested up to CISPR 22 Class A, EN 55022 Class A and 89/336/EEC, VCCI Class A, AS/NZS 3548 Class A, ICES-003 Class A, GB9254-1998, MIC Notice 1997-42 Class A, GOST-R 29216-91 Class A BSMI CNS13438
Chassis Emission	Intel Power Supply 2 x 1000 W, up to 4 Power supplies in total
Drives	DVD±RW/±R (external), Floppy 3.5" (external)
Hard Disks	1x 146 GB (2.5" / 10.000 rpm), up to 14 hard disks in total
Hard disk bus type	Serial Attached SCSI (SAS)
Controller	LSI* 1064e SAS Controller
Server Management	Included
Certification	CE ISO9001
Supported OS	Microsoft Windows 2003 Enterprise Server (32 & 64 bit) Microsoft Windows 2008 Enterprise Server (32 & 64 bit)

Technical alterations reserved

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