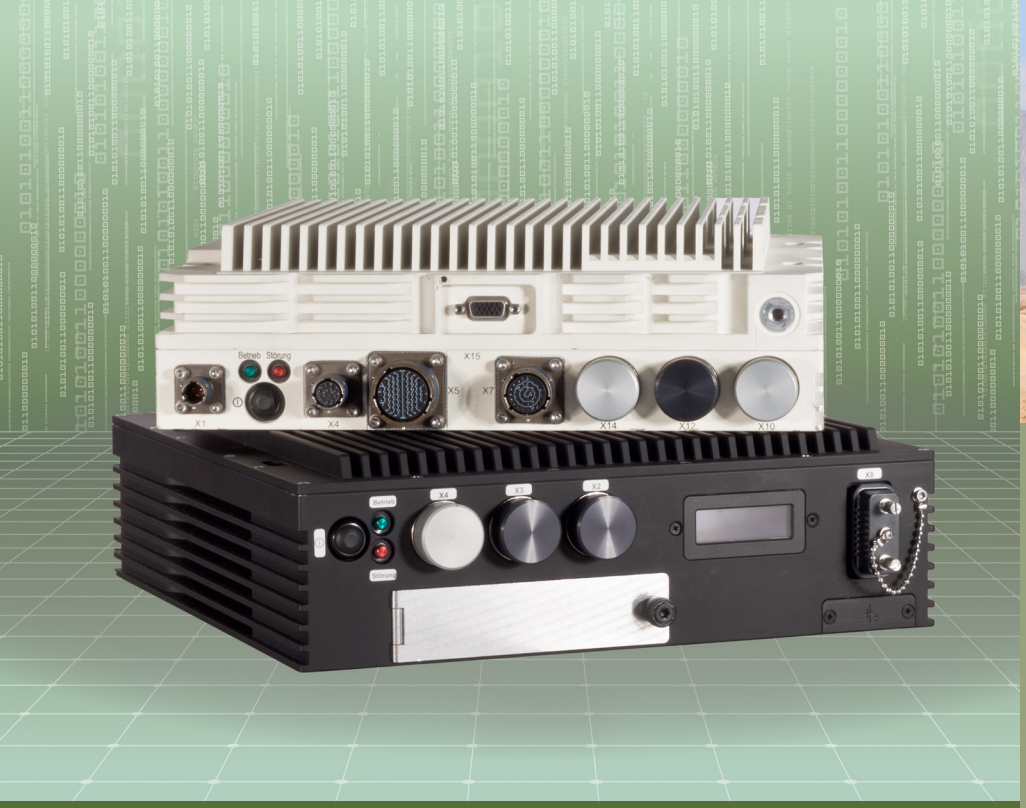

Tailor-made high performance server

Vehicle Server

High-performance server system for extreme conditions

System for processing-intensive applications

As high-performance servers, ATM vehicle servers provide extensive services for data processing and storage in a military land vehicle and enable the use of artificial intelligence, deep learning methods and big data handling.

Use of current technologies

ATM vehicle servers are designed for high-speed information exchange. For this purpose, ATM relies on cutting-edge technologies, high performance and a powerful CPU. The vehicle server is equipped with a processor that executes a large number of parallel and computer-intensive threads.

MIL-SPEC server for armoured vehicles

As the central computer instance in a military land vehicle, ATM vehicle servers provide maximum security. In addition to the use of cryptographic methods, the servers are equipped with removable hard disk drives for red/black separation, as well as with redundant hard drive systems.

- Fan-free server system
- Heat dissipation by convection
- Exchangeable hard disks for red/ black separation
- External control and monitoring via IPMI
- CPU with 16 cores and 32 threads
- System with CENTURION footprint

KNDS

Key features

Fanless Computer system

IP54 protection

Environment acc to MIL-STD-810

On-board network acc to MIL-STD-1275

Technical data

Hardware variants

- Vehicle server with or without removable hard disk drive
- Vehicle server with variable number of SSDs
- Vehicle server with CENTURION footprint
- Vehicle server with customer-specific functions

Computer

- Intel® processor
- CPU with 16 cores and 32 threads
- 64-bit architecture
- Customer-specific memory
- Removable hard drives
- Redundant internal hard drives
- Integrated 10 Gigabit LAN
- Operating system
  Windows, Linux, other operating systems on request

Interfaces

- Serial interfaces
- Ethernet connection
- Bit-serial connection
- Analogue video interface

Environment

- Temperature shock, humidity, altitude, vibration, shock, according to MIL-STD-810
- Temperature range
  Operation: 0°C to +50°C;
  Storage: -33°C to +71°C
- EMV according MIL-STD-461
- IP 54 protection
- Vehicle electrical system according to VG 96916 & MIL-STD-1275
- CE conformity

Thermal management

- Fan-free server system
- Heat dissipation by convection

Life Cycle

- Obsolescence management
- Life cycle support
- Life cycle software
- Upgrade management

ATM ComputerSysteme GmbH · Max-Stromeyer-Str. 116 · 78467 Konstanz · Germany
info-KDME@knds.de · www.atm-computer.de

KNDS