CENTURION i7

Computers for a broad spectrum of applications

Central information backbone

Information expedites the situation and makes the field dynamic, so it must be adequately and effectively accessible, displayable, processable and distributable at the right time, in the right place, and with the right quality. The CENTURION i7 is the means of choice for this.

Ruggedized on-board computer

The CENTURION i7 vehicle computer is tailored to the special requirements in military vehicles. Connected to the vehicle network, the CENTURION i7 controls and communicates with other systems and the sensor technology. As the central information node of the vehicle's IT system, it receives, processes and distributes all sensor information and data from the connected applications.

Modular and flexible

The CENTURION i7 is flexibly configurable and enables functions to be expanded for the specific project at hand with the help of plug-ins.

» Form, fit and function
» Function expansions via plug-ins
» Basic device for further system developments
» Modular design
» High thermal stability
» Enables customer-specific adaptations

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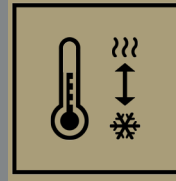## Key features

On-board voltage network

Environment acc. MIL-STD-810

Extended temperature range

IP65 protection

Technical Data

Hardware variants

/ CENTURION i7 with customer-specific height

/ CENTURION i7 with removable hard drive for red/black areas

/ CENTURION i7 with integrated switch

/ CENTURION i7 with integrated video processing

/ CENTURION i7 with customer-specific functions

Computer

/ Operating systems
Windows, LINUX
other operating systems on request

/ Intel® 8th generation Intel processor

/ 64-bit architecture

/ Customer-specific memory

/ Integrated graphics board with resolution up to full HD

/ Data transfer with integrated Gigabit LAN

Interfaces

/ Serial interfaces

/ Ethernet 10/100/1000 BaseT

/ CAN bus

/ USB

/ Digital video interface

/ Analogue video interface

/ Image processing interfaces

/ Audio interface

/ Customer-specific interfaces Schnittstellen

Environment

/ Temperature shock, humidity, altitude, vibration, shock, salt fog, sand & dust, contamination by fluids according to MIL-STD-810

/ Extended temperature range
Operation   -46°C to +63°C;
Storage   -46°C to +71°C

/ EMV according MIL-STD-461 & VG 95373

/ IP 65 protection

/ Vehicle electrical system according to VG 96916 & MIL-STD-1275

/ CE conformity

Processing the sensor information from

/ Cameras

/ Thermal imager

/ Jammer

/ Acoustic detector

/ Radar system

/ Laser range finder

/ Other connected applications

/ Customer-specific sensors

Life Cycle

/ Externally replaceable CMOS battery

/ Obsolescence management

/ CENTURION i7 is always up to date with the latest technology

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