



The PALLADION is the central unit for operating the battle management system

# PALLADION

## Flexible control unit for the dynamic operating environment

### Position-dependent reconnection of the panel PC

Different situations in the field force the operator to quickly switch between workstations inside or outside of the vehicle. The PALLADION makes it possible to switch from one workstation to another quickly by using special plugs. Depending on the situation, the soldier can continue processing information by way of the hatch instead of on the instrument panel – IP 65 protection ensures this will be possible even under severe weather and environmental conditions.

### Optimisation for adverse light conditions

Thanks to its broad dimming range and optical bonding, the PALLADION is optimised for working with night vision devices or in bright sunlight, such as when the PALLADION is being used above the vehicle hatch.

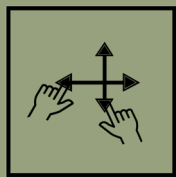
### Simple control via multi-touch

The PALLADION is equipped with capacitive multi-touch. Registering multiple touch points simultaneously gives the soldier more options for controlling the application being displayed – even when wearing gloves.

- Control unit with multi-touch
- Built-in panel PC
- Small installation depth
- Mounting above the hatch
- Installation on the instrument panel
- Actions with presets
- Operable in any lighting situation

**KNDS**

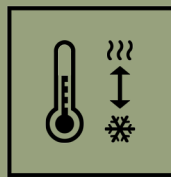
## Key features



**Operation with multitouch**



**Environment acc. MIL-STD-810**



**Extended temperature range**



**High contrast**

## Technical data

### Hardware variants

- PALLADION with customer-specific display size
- PALLADION with customer-specific functions
- PALLADION with customer-specific design

### Computer

- Intel® processor
- Integrated graphics board
- Memory Customer-specific

### Display

- Capacitive PCAP touch (multi touch)
- 11.6" display
- Full HD resolution (1920x1080)
- Brightness 600 cd/m<sup>2</sup>
- Contrast 1000:1
- Multi-level dimming up to masking
- Optical bonding
- Non-reflective display surface
- Sunlight-readable
- Night vision compatible

### Interfaces

- Serial interfaces
- Ethernet 10/100/1000 BaseT
- CAN bus
- USB
- Remote control

### Environment

- Temperature shock, humidity, altitude, vibration, shock, according to MIL-STD-810
- Extended temperature range  
Operation: -46°C to +63°C  
Storage: -46°C to +71°C
- EMC according to VG 95373
- IP 65 protection
- Vehicle electrical system according to VG 96916 & MIL-STD-1275
- CE conformity

### Video streams

- Display of views from vehicle cameras
- Integrated graphics processor decodes H.264 and H.265 streams

### Overlay functions

- Displays the function of the active keys
- Display of menus, symbols and variable data

### Pre-sets

- Pre-set parameters, such as auto on/off, can be defined on the software side

### Testing system

- Cross-functional software interface for monitoring and testing functions
- Detection of malfunctions or mission-critical system conditions
- Provides an adaptable interface for other software systems so that device-specific parameters can be read out or configured