



RVD10-W

VEHICLE ELECTRONICS

Rugged Vehicle Display 10" - Wide

The Rugged Vehicle Display 10" Wide, RVD10-W, is a Full-HD, GVA compatible multifunction display with resistive multitouch panel developed for use in harsh environments according to MIL-STD-810 and MIL-STD-461. The display has dual inputs, for both computer graphics (DVI-D) and digital video over Gigabit Ethernet by configurable protocols as DEF-STAN 00-82 or SAAB digital video distribution concept VDS, and can provide a graphical user interface for controls without power of external CPU. The input channels from computer and video can be configured to be displayed individually or on a mixed screen.

Main design features

- Fully PC-compatible external interfaces
- Climatically sealed housing, IP65
- MIL-C-38999 connectors
- Instant start-up; <10 s (DVI-D)
- Customizable keypad (on request)
- Qualified according to: MIL-STD-810, MIL-STD-461 and MIL-STD-1275

Mechanical interface

- RVD10-W is designed to be fixed mounted in the vehicle. External damping devices are not required.

Configuration

- 10.1" 16:10 display; 1920*1200 pixels LED-backlight, eight bit/color
- Resistive multi-touch panel (usable with gloves and in rain)
- Dimming range; 256:1
- Viewing angles; left/right/up/down min 85° @ min 10 contrast ratio
- Up to 31 function keys and 2 indicators
- Internal status supervisory and log
- Display heater
- Color White RAL1013
- Power consumption: nom. 15W, max 80W (heater active)

Environmental

- Comply to MIL-STD-810 and MIL-STD-461. Sealed housing, IP65.
- Operating temperature: - 40°C to +65°C
- Storage temperature: - 46°C to +71°C

External connectors

- Power input: (X1) – Optional Power and keyboard input
- Digital video port: (X2) – Optional VDS or DEF STAN 00-82
- Computer port (X3) Power input, DVI-D and USB 2.0

Specifications subject to change without notice

Dimensions

| | |
|--------|--------------------------------|
| Height | 200,6 mm |
| Width | 282,6 mm |
| Depth | 84,2 mm (incl.rear connectors) |
| Weight | 2,5 kg (approx.) |

Options

- Customized key-pad; key-characters and key-codes
- NVIS-functionality; extended dimming range; 10.000:1 and/or NVIS-graphics mode (red is suppressed)
- API for reading status and log
- Angled connectors
- Separate power input, 18-36VDC
- Digital Video according to DEF STAN 00-82 or SAAB VDS
- 10.1" 16:10 display; 1280*800 pixels LED-backlight, eight bit/color
- Customized color on request

