

## Intelligent Display BC2100

Compact unit for sophisticated visualization



- Display for use on railway vehicles
- 6.5" TFT display (optional transfective)
- Operating systems WIN XPe, CE, Linux
- Serial interfaces RS 232 / RS 422 / RS 485
- Optionally with CAN, MVB or IBIS interfaces as well
- Temperature range -25°C .... +55°C
- Protection class IP65 / IP54
- For On-Board voltages from 24V to 110V
- Slim dimensions, therefore also for tramway and trolley-buses qualified

The Intelligent Display BC2100 offers – despite a graphics 6.5" VGA display and a large keyboard – still very slim dimensions and is therefore especially qualified for usage on driver's cabs in tramways and/or trolley-buses. The control of the display takes place via serial interfaces, CAN bus, MVB or an IBIS bus connection as well.

## **Technical Data BC2100**

### **Processor and Memory**

- AMD 5x86, 133 MHz
- Flash memory for operating system and application program
- Easy access to flash memory via hinged lid

### **Display**

- 6.5" TFT display
- 640x480 pixels (VGA)
- Automatic illumination control

### **Keyboard**

- 29 single keys with overlying minted foil
- High abrasion and chemicals resistance
- Keys with LED illuminating (unlimited lifetime)
- Key illumination controllable

### **Interfaces**

- Isolated serial interface according to RS 232 / RS422 / RS485

### **Power Supply**

- For On-Board voltages from 24 to 110V DC (+/-40%)
- Power consumption approx. 25W

### **Mechanics**

- Protection class IP54
- Rugged steel sheet housing
- Dimensions WxHxD: 290 x 165 x 90mm  
Installation dimensions WxH: 255 x 150mm

### **Environmental requirements**

- Temperature range -25°C up to +55°C
- Separate electronics for temperature management
- Complies with railway standards EN50155 and EN50121

### **Options / Versions**

- IBIS interface
- Custom-made keyboard layout and front design
- Different processors, e.g. Celeron 400MHz or Motorola PowerPC
- Transflective display
- CAN, MVB interfaces
- Customized layout