

Vehicle displays

- Small vehicle display with high performance
- 5.7" TFT VGA display with 400 cd/m² (optionally 800 cd/m²), contrast up to 1000:1
- PowerPC Processor with 400 MHz
- Fanless operation from -40° C up to +70° C
- Operating system Embedded Linux
- Fast start-up

NEW



Ideal use:

The vehicle display GERSYS BC2400 has been developed on the basis of the Multifunction Display BC3450 (10.4" display). Its processor is specified from the chip manufacturer for an extended temperature range and enables a fanless operation in the wide range from -40° C to +70° C. Due to its compactness the BC2400 is especially suitable for applications with limited assembly options regarding the available space. Because of the excellent brightness and contrast values even under direct sunlight conditions the readability is sufficient.

The open operating system Linux offers an easy and cost-efficient realisation of numerous different applications. Optionally it is possible to do the visualisation via an easy programming using HTML commands – and emphasize the graphics qualities of the TFT display.

Technical data BC2400

Processor and memory

- Freescale MPC5200B, 400 MHz
- Working memory SDRAM 128 MB
- Flash memory 32 MB

Display

- 5.7" TFT display
- Resolution VGA 640 x 480 pixel
- Brightness 400 cd/m² (typ.)
- Contrast 1000:1
- Automatic and/or manual backlight control
- LED backlight

Keyboard

- 27 single keys with overlying minted foil
- High abrasion and chemicals resistance
- Keys with LED illumination
- Automatic key illumination control

Interfaces

- 1 x RS422/485 (isolated)
- Ethernet 10/100 MBit
- 1 x USB 1.1 for service (keyboard, mouse, memory stick, etc.)

Power supply

- 24 VDC (+/- 40%)
- Power consumption maximum 15 W

Mechanics

- Aluminium front und housing
- Front plate (W x H x D): 149 x 232 x 8 mm
- Cut-out (W x H): 124 x 207 mm
- Depth: 43 mm
- Weight: approx. 1.5 kg

Environmental conditions

- Temperature range (operation): -40° C up to +70° C
- Type tested acc. railway standards EN 50155/EN 50121

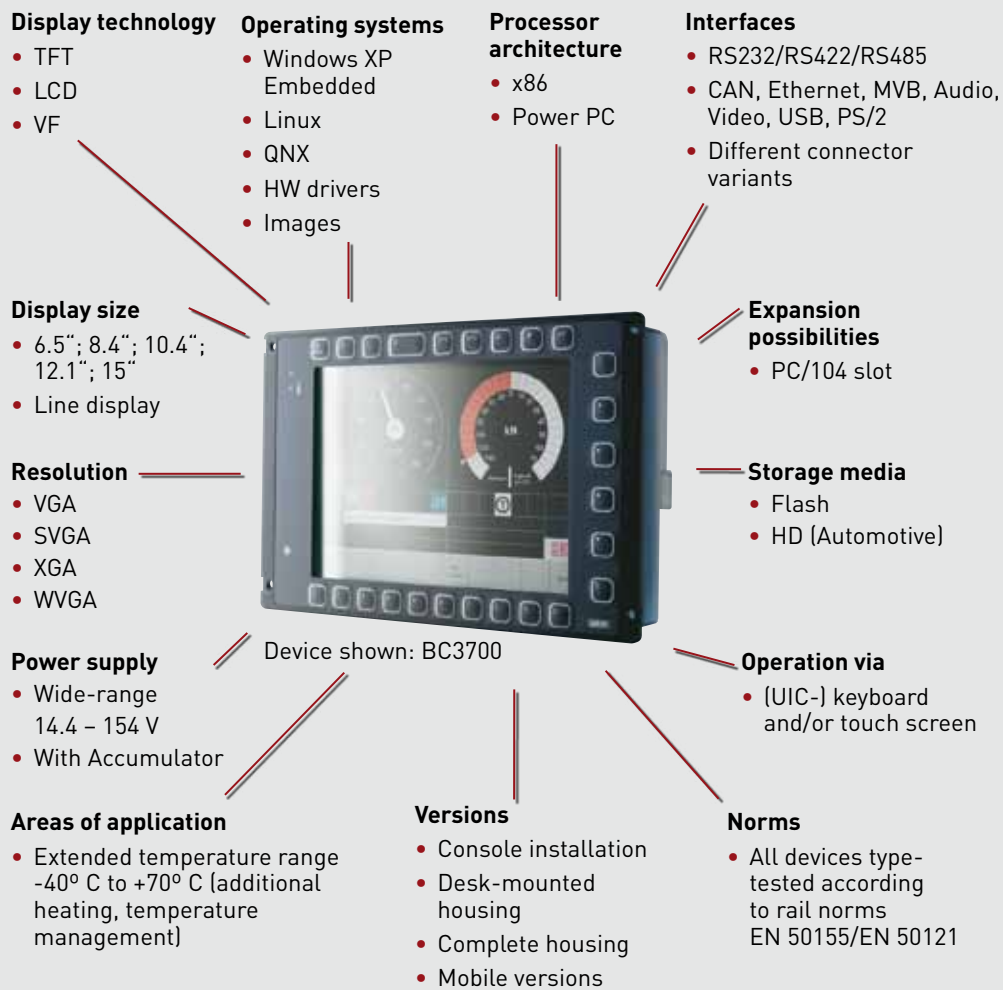
Software

- Embedded Linux 2.6 operating system
- Hardware specific drivers

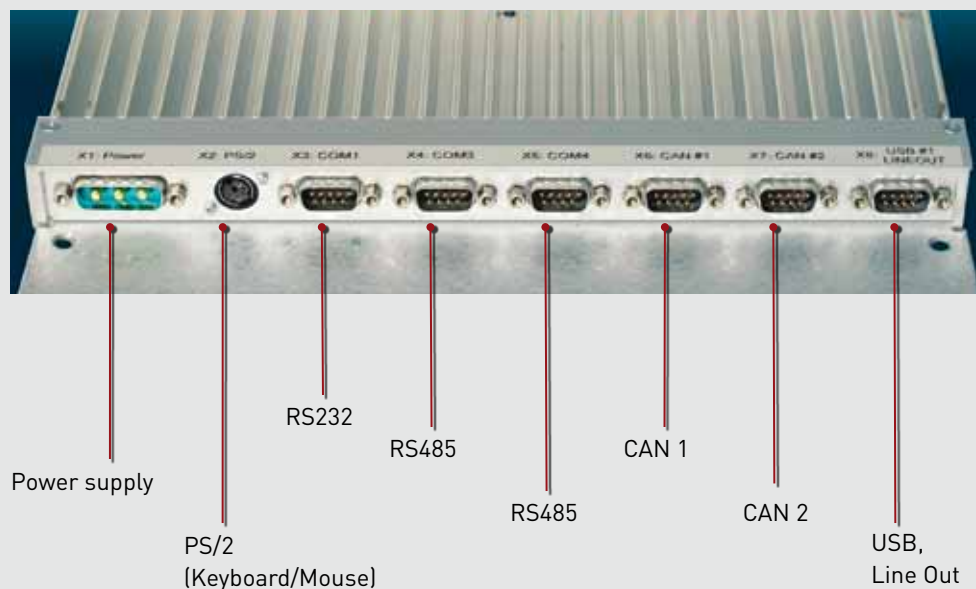
Options/Versions

- x86 processor (for Microsoft operating systems)
- Power supply 110 VDC
- Digital I/O's (24 V)
- More serial interfaces
- Real-Time-Clock (RTC)
- CAN acc. to DIN ISO 11898
- Touch screen (instead of keys)
- Display with 800 cd/m² (typ.)
- Customized versions

Our modular device concept is the basis of all our product families – and of your customized solution:



Back-mounted interfaces and connections BC3700 (sample variant)



Get there safely. Under any conditions.



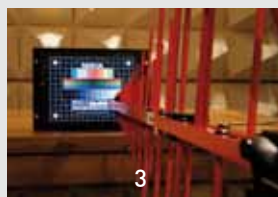
As the developer and producer of display and computer systems for rail vehicles and special vehicles, and an expert in special developments of embedded systems, we offer you:

- Decades of experience in the railway technology sector and industrial computer development
- Over 11,000 devices in daily railway operation
- One modular product concept for every customized solution
- Worldwide presence of our technology in rail vehicles
- Forward-looking obsolescence management
- Certification to ISO 9001:2008 and IRIS in preparation

Planning, design, development, production, type-testing and user training are all carried out solely and exclusively by GERSYS.

We have our own laboratory, approved by manufacturers, for testing and measurement in the following disciplines:

- Emitted interference
- Interference immunity
- Climate simulation
- Shock, vibration



GERSYS[®]
MMI technology for control equipment

Display and computer systems for rail vehicles and special vehicles.

GERSYS GmbH
Hans-Urmiller-Ring 12a
D-82515 Wolfratshausen
Germany

Tel.: +49 (0)8171 38626-0
Fax: +49 (0)8171 38626-99

Mail: info@gersys.de
Web: www.gersys.de