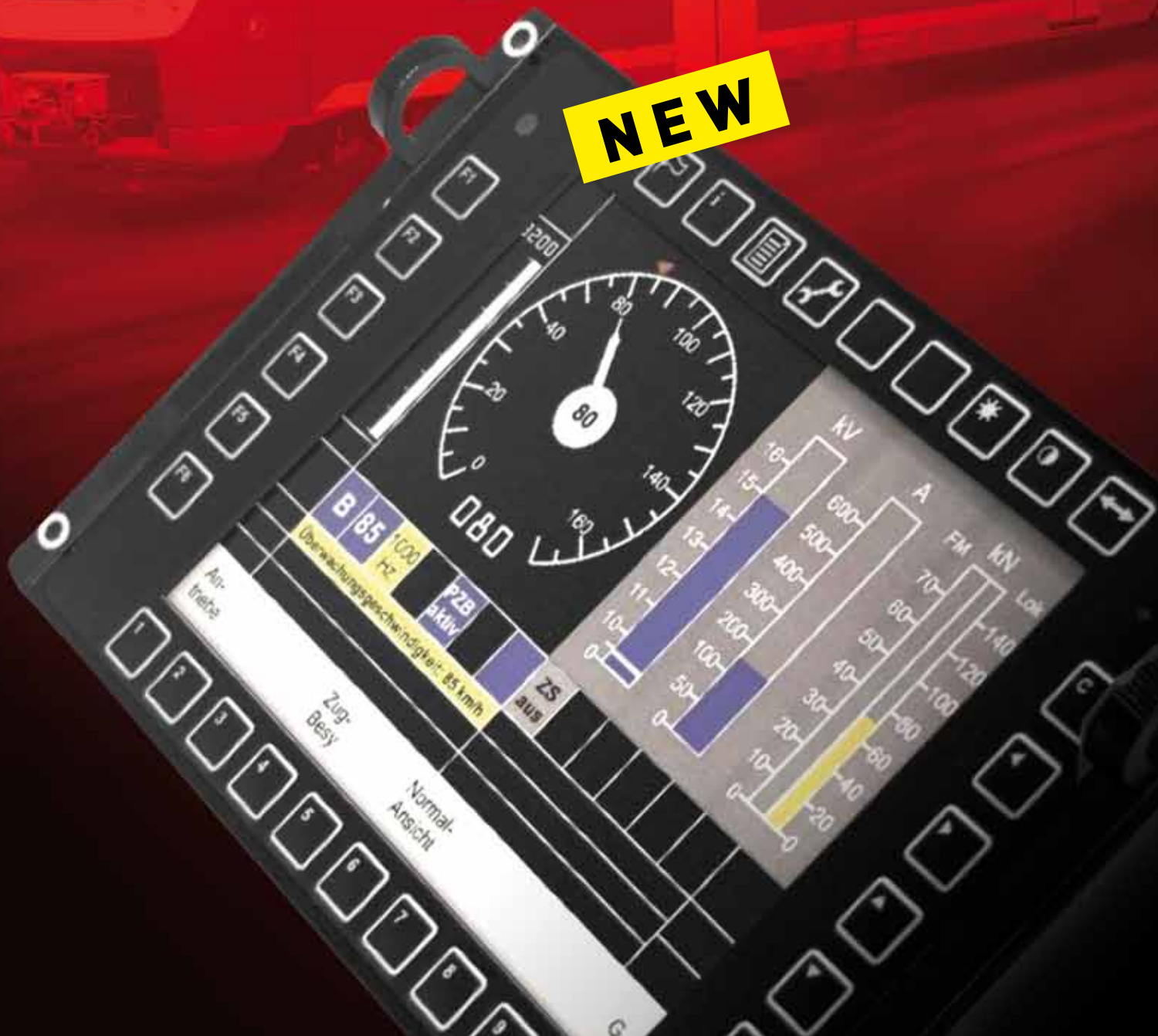


On-board Computer

The powerful multifunctional display

- High-performance processor: 1 GHz, VIA ULV
- Video controller with MPEG-2 (optionally MPEG-4) hardware decoding, for sophisticated graphics and video applications
- Main memory 256 MB DDR2-SDRAM – optionally 512 MB
- Front flap for easy USB access (2 x) and service
- International keyboard layout acc. to UIC 612
- Usage as diagnosis, controls and information display on motor vehicles of all kinds

NEW



Ideal use:

The on-board computer BC4411 has been developed for the usage on railroad vehicles, but due to its flexibility and robustness it fits to different mobile applications of the traffic industry as well (road, water, air).

Up-to-date features like MPEG decoding, USB 2.0 and an UIC keyboard layout, and its large basic configuration with many options offer the suitable approach for a lot of operations.

Technical data BC4411

Processor and memory

- Processor VIA ULV, 1 GHz
- DDR2-SDRAM 256 MB on board, optionally 512 MB
- Video controller MPEG-2 decoding (optionally MPEG-4)
- Flash memory \geq 2 GB

Systems clock

- RTC with high accuracy
- Battery puffering > 10 years

Display

- 10.4" TFT display
- Resolution VGA 640 x 480 pixels
- Illumination 450 cd/m² (typ. without glass plate)
- Contrast 600:1
- Automatic and/or manual illumination control of CCFL

Keyboard

- 32 single keys with overlying minted foil, international lettering acc. to UIC
- High abrasion and chemicals resistance
- Keys with LED illuminating
- Automatic key illumination control

Interfaces

- RS232 (service), RS422/485 (isolated) RS422 (isolated), 2 x RS422
- External PS/2 keyboard/mouse port
- CAN (on board) acc. to DIN ISO 11898
- Ethernet 10/100 MBit
- PC/104+ slot (ISA/PCI bus)
- 2 x USB (bootable), via front flap access or from backside connectable

Power supply

- Wide input voltage range from 24 - 110 V DC (+/-40%)
- Power consumption max. 60 W – in heating operation

Mechanics

- For driver's desk installation or – with casing – for console build-up
- Front flap for easy USB access and service
- Steel sheet housing (RoHS compliant)
- W x H x D: 310 x 214 x 145 mm
- Weight approx. 5.8 kg

Environmental requirements

- Operating temperature range from -25° C up to +55° C (heating below +5° C)
- Separate electronics for temperature management
- Type tested acc. railway standards EN 50155 and EN 50121
- Protection class IP54 (front side)

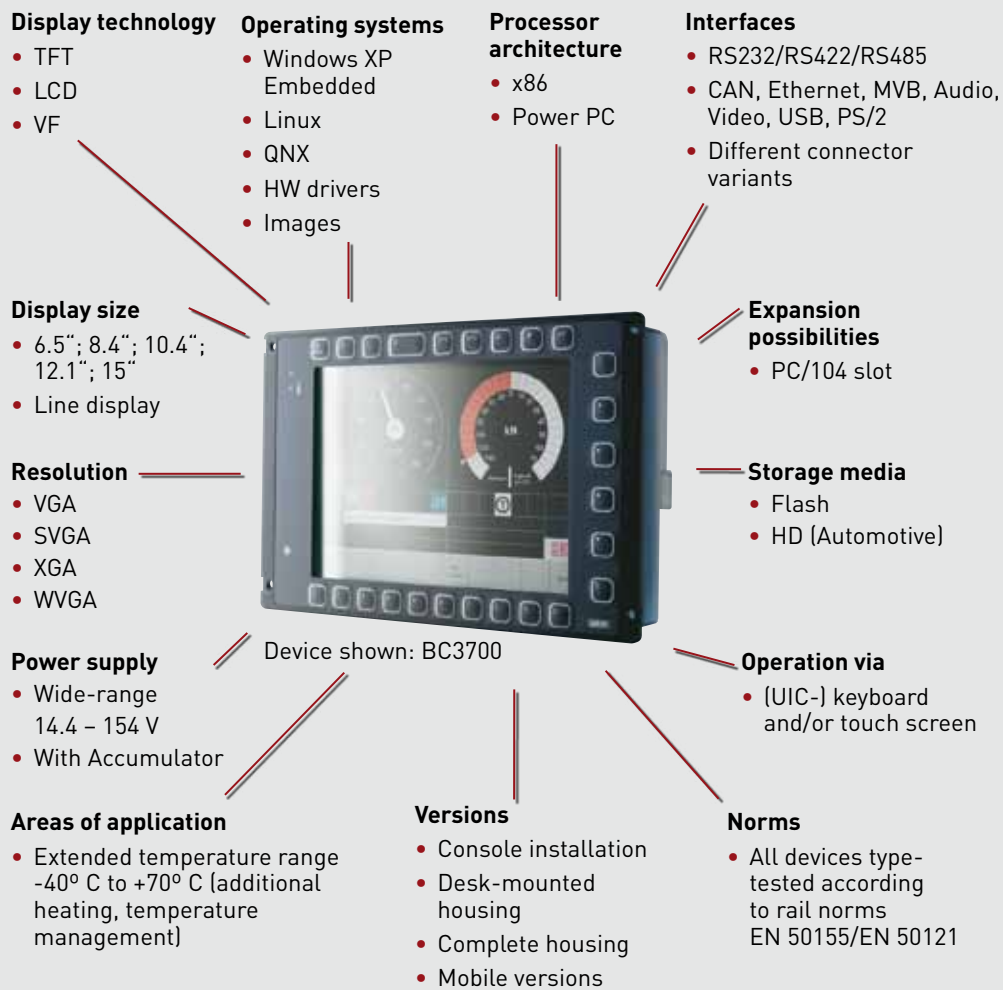
Software

- Hardware specific drivers
- Operating system Microsoft WIN XPe – optionally Linux or QNX

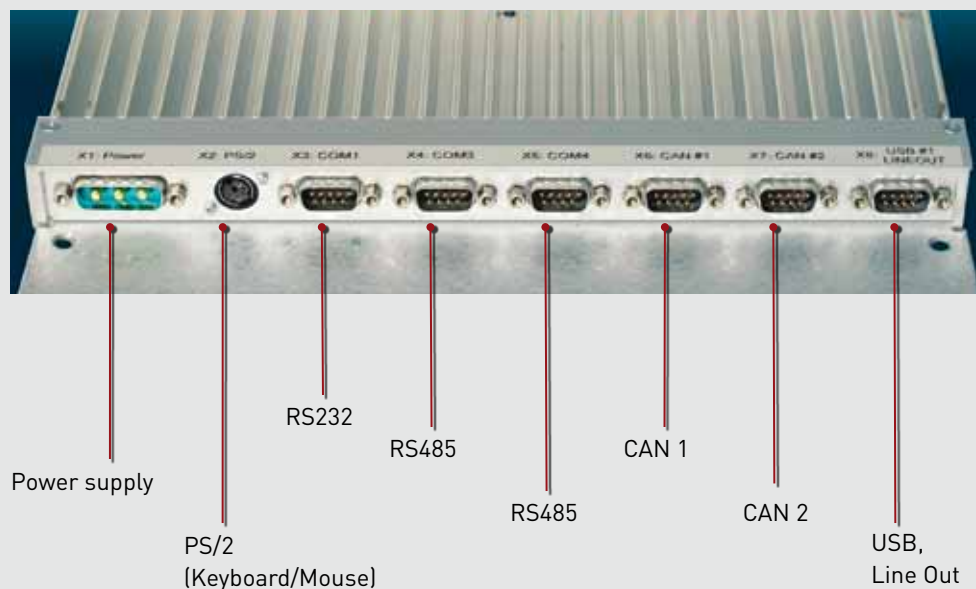
Options/Versions

- Integrated UPS (typ. 45 min.)
- 2nd PC/104+ slot
- VGA output
- Customized keyboard layout and lettering, logo
- Audio, MVB (Duagon, Siemens)
- Transflective display, SVGA, XGA

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.



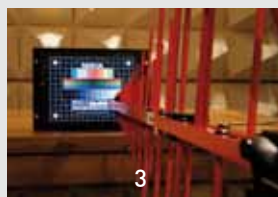
As the developer and producer of display and computer systems for rail vehicles and special vehicles, and an expert in special developments of embedded systems, we offer you:

- 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.

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