

## *Diagnosis, controls and information display for rail vehicles*

**Gersys (Germany) announced the multifunctional display BC2200 at the Innotrans 2012. The IPC-based unit with optional CAN interface (PC/104 slot) has been developed for the usage as diagnosis, controls and information display on railroad vehicles and other mobile applications.**

THE DEVICE IS BASED ON VORTEX86DX PROCESSOR running at up to 1 GHz. It features an on-board 256-MiB SDRAM (512 MiB possible), the SM712 video controller, a 1-GiB Compact Flash card (slot for second CF card is available) and an RTC (real-time clock). Available interfaces are EIA-422, EIA-485, EIA-232, Ethernet, USB and optionally MVB (multifunction vehicle bus). Supported operating systems include Windows XPe and (optionally) Windows XP Pro e, MS-DOS, Linux and QNX. Hardware specific drivers are available.

The 8,4-inch TFT display with VGA resolution of 640 x 480 pixels provides status LEDs for low/over temperature, key confirmation and user control. A 32-keys keyboard with overlying minted foil offers abrasion and chemicals resistance and automatic key illumination control. Possible power supply input voltage ranges from 24 V<sup>DC</sup> to 110 V<sup>DC</sup> with power consumption of max. 35 W.

The 4-kg device dimensions 275 mm x 192 mm x 65,5 mm and offers a connector panel with a 65,5-mm depth for installation. Operating temperature ranges from -25 °C up to +60 °C. Separate electronics for temperature management is available. The display is type tested according to railway standards EN 50155 and EN 50121.

The company also provides further CAN-capable multifunctional displays for mobile applications. The devices feature 5,7-inch (BC2400) to 12,1-inch (BC5700) displays. Manufacturer's vehicle terminal BC1100 also offers an optional CAN interface and is used for simple information displaying applications on a four-lines screen.

