

EBuLa Display

BC4400 / BC4402 / BC4404 / BC4406

The on-board display units BC4400, BC4402 (with integr. GSM-R modem), BC4404 (with integr. GSM-R modem and GPS module) and BC4406 (with integr. GPS module) have been developed for use on railway vehicles – and here specifically for the DB application EBUla (Electronic Timetable). The high-performance CPU and the short boot time when starting the device permit high user friendliness and short turning times. Mechanical drives were dispensed with entirely. The USB interface that can be reached via the front flap that folds open additionally increases service comfort.



At a glance

- powerful x86 VIA processor
- front flap
- integrated UPS (typ. 45 min.)
- typical interfaces on board: RS422/RS485, RS232, Ethernet, CAN, USB, PS/2
- expansion via PC/104 slot possible (e.g. MVB)
- wide range power supply 24-110V DC (+/- 40%)

Options:

- integrated GSM-R modem with external antenna (BC4402)
- integrated GSM-R modem with external antenna and GPS module (BC4404)
- integrated GPS module (BC4406)
- casing with swivel frame

Specifications

Specifications	BC4400 / BC4402 / BC4404 / BC4406
Processor	x86 VIA Eden 1 GHz
RAM	512 MB DDR2
Storage	2 GB Compact Flash
Display	10.4" TFT-Display, VGA 640 x 480 Automatic and/or manual brightness control
Keyboard	25 short-stroke keys Key illumination LED
Interfaces	RS422/485, RS232, Ethernet, CAN, PC/104, PS/2 2x USB (back side or via front flap) Integrated GPS module (only BC4402 and BC4404) Integrated GSM-R modem with external antenna (only BC4402 and BC4404)
Power Supply	Wide range power supply 24 – 110V DC (+/- 40%) integrated UPS with battery charging management
Environment Controller	Temperature and power management Status and diagnostic LEDs on front (lower/over temperature and key confirmation)
Operating temperature	-25°C up to +55°C (with pre-heating)
Operating system and hardware drivers	Windows Embedded Standard 2009
Other software	Electronic Timetable EBUla (by DB AG)
Standards / Norms	EN 50155, EN 50121-3-2, EN 60068, EN 61373, EN 45545
Approvals	Homologation according to DB specification V1.5
Dimensions WxHxD	310 x 214 x 145 mm
Options	Casing with swivel frame (for mounting on driver's desk)

Contact

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