

Multifunctional Display

BC2000 / BC2200 / BC2900 - 8.4"

The Multifunctional Displays of the series BC2000, BC2200 and BC2900 were developed for use on railway vehicles. Its flexibility and robustness make it suitable for other mobile applications as well.

Especially when it comes to retrofits and modernization of existing vehicles, sufficient space for standard sized 10.4" displays is rare: Our 8.4" displays combine low installation dimensions with the look and feel of 10.4".

At a glance

- (UIC-) keyboard layout or touch screen
- LED-Backlight
- low installation depth
- typical interfaces on board: RS422/RS485, RS232, Ethernet, CAN, USB
- expansion via PC/104 / Mini-PCIe slot possible (e.g. MVB)
- wide range power supply 24-110V DC (+/- 40%)

Processor versions:

BC29xx

- powerful Intel Atom Bay Trail
- brilliant video/graphic performance
- OS: Windows, Linux, QNX
- optional: up to 4 analog video inputs

BC20xx

- powerful ARM Cortex A9 processor
- for Linux OS
- brilliant video/graphic performance
- optional: up to 4 analog video inputs

BC22xx

- x86 Vortex processor
- low power dissipation
- capable to run common operating systems



Specifications

Specifications	BC2900	BC2000	BC2200
Processor	x86 Intel ATOM Bay Trail Dual Core 1,33 GHz	ARM Cortex™ A9 Quad Core 800 MHz	x86 Vortex processor 1 GHz
RAM	2 - 8 GB DDR3L	1 GB DDR3	≥ 256 MB DDR2
Storage	4 GB eMMC on board flash ≥ 2 GB CFast-Card	4 GB eMMC on board flash	1 GB Compact Flash Card
Additional card	SD-Card (Slot)	≥ 1 GB SD-Card	Compact Flash (Slot)
Display	8.4" TFT-Display, VGA 640 x 480 (opt. SVGA, XGA) LED-Backlight Automatic and/or manual brightness control		
Keyboard or Touch Screen	32 short-stroke keys, UIC612 layout Key illumination LED Touch screen: resistive, rugged, GFG technology		
Interfaces	RS422/485, RS232, Ethernet, USB, Mini-PCle (opt. CAN, MVB, Audio, up to 4 analog video inputs)	RS422/485, RS232, Ethernet, USB, PC/104 (opt. CAN, MVB, Audio)	
Power supply	Wide range power supply 24 – 110V DC (+/- 40%)		
Environment Controller	Temperature and power management Status and diagnostic LEDs on front (lower/over temperature and key confirmation)		
Operating temperature	-40°C up to +70°C (extended temperature range)		
Operating system and hardware drivers	Windows 7 emb., LINUX, QNX	LINUX, QNX	Windows XPe, LINUX, QNX
Standards / Norms	EN 50155, EN 50121-3-2, EN 60068, EN 61373, EN 45545		
Dimensions WxHxD	275 x 192 x 66 mm		
Options (on request)	Custom front plate dimensions Customer specific keyboard layout Front foil with customer logo Analog and digital inputs / outputs, CAN, MVB		

Contact

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