

Multifunctional Display BC3-series / 10.4"

While our multifunctional displays of the BC3-series have been specifically developed for use on railway vehicles, their flexibility and robustness make them well suitable for any other mobile application as well. The modular concept with its large selection of different processor technologies, expandability with various interfaces and the slim design offers a large bandwidth of possible areas of use.

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-PCle slot possible (e.g. MVB)
- wide range power supply 24-110V DC (+/- 40%)

Processor versions:

BC39xx

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

BC30xx

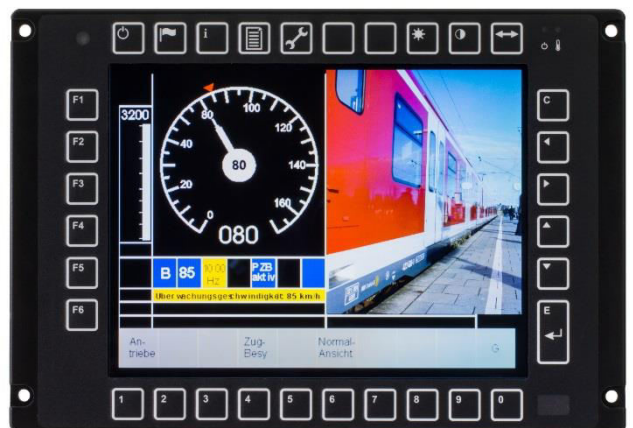
- powerful ARM Cortex A9 processor
- for Linux OS
- brilliant video/graphic performance
- optional: up to 4 analog video inputs

BC34xx

- energy-saving Freescale PowerPC
- für Linux and QNX operating systems
- extended temperature range from -40°C up to +70°C (w/o pre-heating)

BC32xx

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



Specifications

Specifications	BC39xx	BC30xx	BC34xx	BC32xx
Processor	x86 Intel ATOM Bay Trail Single, Dual, Quad Core 1.33 – 1.9 GHz	ARM Cortex™ A9 Quad Core 800 MHz	MPC 5200 Freescale 400 MHz	x86 Vortex 1 GHz
RAM	2 - 8 GB DDR3L	1 GB DDR3	128 MB SDRAM	256 MB DDR2
Storage	4 GB eMMC on board flash ≥ 2 GB CFast-Card	4 GB eMMC on board flash	32 MB Flash on board	≥ 2 GB Compact Flash
Additional card	SD-Card (Slot)	≥ 1 GB SD-Card	Compact Flash (Slot)	Compact Flash (Slot)
Display	10.4" TFT-Display, VGA 640 x 480 (opt. SVGA 800 x 600 or XGA 1024 x 768) LED-Backlight Automatic and/or manual brightness control			
Keyboard or Touch Screen	Keyboard with short-stroke keys acc. to UIC 612 or customer specific Key illumination LED, automatically controlled 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	-25°C up to +70°C -40°C up to +70°C (extended temperature range, pre-heating if needed) depending on hardware configuration			
Operating system and hardware drivers	Windows 7emb., LINUX, QNX	LINUX, QNX	LINUX, QNX	Windows XPe, LINUX, QNX
Standards / Norms	EN 50155, EN 50121-3-2, EN 60068, EN 61373, EN 45545			
Dimensions WxHxD	310 x 214 x 91 mm	310 x 214 x 49 mm	310 x 214 x 91 mm	310 x 214 x 91 mm
Options (on request)	Touch Screen: capacitive, PCAP, multi-touch Custom front plate dimensions Customer specific keyboard layout Front foil with customer logo Analog and digital inputs / outputs, WiFi, USB on front Microphone and loudspeaker			

Contact

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