

Multifunctional Display

BC3-series / 10.4"

While the BC3-series multifunction HMI have been specifically developed for use on railway vehicles, its flexibility and ruggedness make it ideal for any other demanding mobile application as well. A wide selection of different processor technologies, expansion with PC/104 and MiniPCle and the slim design addresses a variety of different onboard applications.

At a glance

- UIC-612 keyboard layout or touch screen
- VGA Resolution (Optional SVGA/XGA)
- LED-Backlight
- Low installation depth
- Interfaces: RS232/422/485, Ethernet, CAN, USB
- PC/104 / Mini-PCle expansion (e.g. MVB)
- Wide range power supply 24-110V DC (+/- 40%)
- -25°C up to +70°C Operating temperature
- EN50155, EN50121-3-2, EN60068, EN61373, EN45545

Processor variants:

BC39xx

- Latest powerful Intel Atom Bay Trail
- Brilliant video/graphic performance
- OS: Windows, Linux, QNX

BC30xx

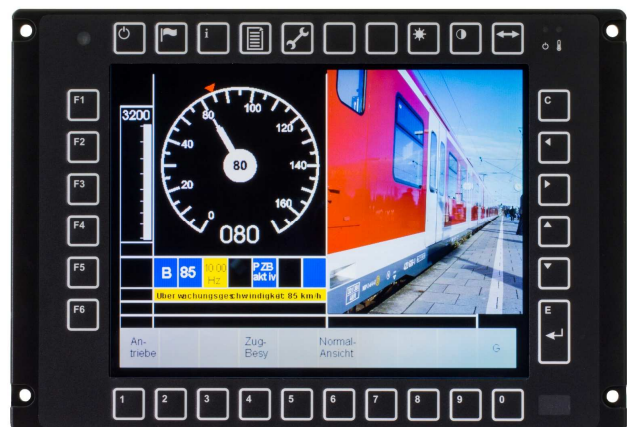
- Embedded ARM Cortex A9 processor
- Linux OS
- Brilliant video/graphic performance

BC34xx

- Low power Freescale PowerPC
- Linux and QNX operating systems
- Extended temperature range -40°C to +70°C (w/o pre-heating)

BC32xx

- x86 Vortex processor
- Low power dissipation
- Capable to run common operating systems (DOS)



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 CFast	4 GB Flash on board	32 MB Flash on board	≥ 2 GB Compact Flash
Additional card slot	SD-Card	SD-Card	Compact Flash	Compact Flash
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, PC/104 / Mini-PCle (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, LINUX, QNX	LINUX, QNX	LINUX, QNX	Windows, 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 Information

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