MULTIFUNCTIONAL DISPLAY
BC3 SERIES / 10.4"

Our BC3 series multifunction displays were specially developed for use on rail vehicles, but are ideal for any mobile application thanks to their flexibility and robustness. The modular device design with the large selection of different processor technologies, the expandability with various interfaces and the slim design offer a wide range of applications.

At a glance
- Keyboard (UIC) or touch screen
- LED backlight
- Slim design - minimal depth
- Interfaces on board: RS422/RS485, RS232, Ethernet, CAN, USB
- Extension possible via PC/104 or Mini PCIe slot (e.g. MVB)
- Wide range power supply 24 - 110 V DC (+/-40 %)
- Custom devices
- 4:3 and 16:9 displays

Processor variants

BC39xx
- Powerful Intel Atom Bay Trail, Apollo Lake, Elkhart Lake
- Outstanding video/graphics performance
- Operating systems: Windows, Linux, QNX
- optional: up to 4 analogue video inputs

IBC30xx
- Powerful ARM Cortex A9 processor
- For Linux operating systems- excellent video/ graphics performance
- Optional: up to 4 analogue video inputs

Mobility | Making mobility happen.

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TECHNICAL DATA
BC3 SERIES / 10.4" MULTIFUNCTION DISPLAY

Technical data	BC39xx	BC73xx	BC30xx
Processor	x86 Intel ATOM Bay Trail Quad Core 1.9 GHz	Apollo Lake Quad Core	ARM Cortex™ A9 Quad Core 800 MHz
Memory (RAM)	2 GB DDR3L	4 GB	1GB DDR3
Memory	4 GB eMMC onboard flash ≥ 2 GB CFast card	16 GB eMMC ≥ 16 GB	4 GB eMMC onboard flash
Additional memory card	SD card (slot)	CFast Card	≥ 1 GB SD card
Display	10.4" TFT display, VGA 640 x 480 (opt. SVGA 800 x 600 or XGA 1024 x 768), FMD (11.6") LED backlight Automatic and/or manual brightness control		
Keyboard or touch screen	Keyboard with short-stroke keys in accordance with UIC 612 Key illumination LED, automatically controlled Touch screen: resistive, robust, GFG technology, PCAP		
Interfaces	opt. RS422/485, RS232, Ethernet, USB, Mini PCIe (opt. CAN, MVB, audio, up to 4 analogue video inputs)		
Power supply	Wide range power supply for input voltages from 24 - 110 V DC (+/-40 %)		
Environment Controller	Temperature and power management Status and diagnostic LEDs on the front (under/over temperature and button confirmation)		
Operating temperature	-25 °C to +70 °C -40 °C to +70 °C (extended range, possibly with preheating) depending on the device configuration		
Operating system and hardware drivers	Windows, LINUX, (QNX on request)	Windows, LINUX, (QNX on request)	LINUX (QNX on request)
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 91 mm	310 x 214 x 49 mm
Options (on request)	Touch Screen: Capacitive, PCAP, Multitouch Front foil with customer logo Analog and digital inputs and outputs, WiFi, USB on the front Microphone, speaker		

GERSYS GmbH
Hans-Urmiller-Ring 12a
DE-82515 Wolfratshausen
Tel.: +49 8171 / 38626 – 0

www.gersys.com · sales@gersys.de

gersys :