MULTIFUNCTIONAL DISPLAY

BC2 Series / 6,5" - 8,4"

The multifunction displays of the BC2 series were developed for use on rail vehicles, but are also suitable for other mobile applications thanks to their flexibility and durability. Especially when retrofitting and modernizing existing vehicles, there is rarely enough space for the standard size of 10.4": Our 6,5"-8,4" displays combine small installation dimensions and the "look and feel" of 10.4".

At a glance

- Keyboard (UIC) or touch screen
- LED backlight
- Minimal dimensions
- 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%)
- 4:3 or 16:9 displays. Custom devices

Processor variants

x86 Processor

- Outstanding video/graphics performance
- Operating systems: Windows, Linux, QNX
- Optional: up to 4 analogue video inputs

ARM 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

BC2000 / BC2900 - 8.4" MULTIFUNCTION DISPLAY

Technical data	BC24xx	BC29xx	BC20xx
Processor	ApolloLake E3930 E3940	BayTrail E3825 E3845	ARM Cortex™ A9 Quad Core 800 MHz
Memory (RAM)	≥ 2 GB DDR3L		1GB DDR3
Memory	≥ 4 GB eMMC onboard flash ≥ 2 GB CFast card		4 GB eMMC onboard flash
Additional memory card	SD card (slot)		≥ 1 GB SD card
Display	8.4" TFT display, VGA 640 x 480 (opt. SVGA, XGA, WVGA)) LED backlight Automatic and/or manual brightness control		
Keyboard or touch screen	up to 32 short-stroke keys in UIC612 layout Keyboard lighting LED Touch screen: resistive, robust, GFG technology, PCAP		
Interfaces	tbd		
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		LINUX (QNX on request)
Standards / norms	EN 50155, EN 50121-3-2, EN 60068, EN 61373, EN 45545		
Dimensions WxHxD	i.e. 275 x 192 x 66 mm BC2912		
Options (on request)	Front foil with customer logo Digital inputs and outputs , CAN, MVB		

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