

# Multifunctional Display

## BC5-series / SVGA 12.1"

The BC5-series HMI is perfect not only as a machine-technical display, but also for video applications due to its 12.1" touchscreen SVGA TFT-display and high video performance CPU. The BC5-series with its modular concept offers a selection of the latest ATOM or ARM Cortex A9 processor technologies. Integrated are versatile interfaces as well as expansion using PC/104 and MiniPCle slots to include project specific functionality such as MVB, I/O etc.



### At a glance

- Resistive Touch screen
- SVGA LED-Backlit Display (Opt. XGA)
- Low installation depth
- Interfaces: RS232/422/RS485, Ethernet, CAN, USB
- PC/104 and Mini-PCle expansion (e.g. MVB of I/O)
- Wide range power supply 24-110V DC (+/- 40%)
- -25°C up to +70°C Operating temperature
- EN50155, EN50121-3-2, EN60068, EN61373, EN 45545

### Processor versions:

#### BC59xx

- Latest Intel Atom Bay Trail processor
- High video/graphics performance
- OS: Windows, Linux, QNX

#### BC50xx

- Embedded ARM Cortex A9 processor
- Linux OS
- High video/graphics performance

# Specifications

Specifications	BC59xx	BC50xx
Processor	x86 Intel ATOM Bay Trail Single, Dual, QuadCore 1.33 – 1.9 GHz	ARM Cortex™ A9 Quad Core 800 MHz
RAM	2 - 8GB DDR3L	1GB DDR3
Storage	CFast	4GB Onboard Flash
Additional card slot	SD-Card	
Display	12.1" TFT-Display, SVGA 800 x 600 (opt. XGA 1024 x 768) LED-Backlight Automatic and/or manual brightness control	
Touch Screen	Touch screen: resistive, rugged, GFG technology (additional 3 short-stroke keys for manual brightness control)	
Interfaces	RS422/485, RS232, Ethernet, USB, PC/104 / Mini-PCIe (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 (under/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
Standards / Norms	EN 50155, EN 50121-3-2, EN 60068, EN 61373, EN 45545	
Dimensions WxHxD	360 x 240 x 91 mm	360 x 240 x 49 mm
Options (on request)	Touch Screen: capacitive, PCAP, multi-touch Custom front plate dimensions Keyboard (short-stroke keys) instead of touch screen Front foil with customer logo Analog and digital inputs / outputs, WiFi, Front side USB Microphone and loudspeaker	

## Contact Information

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