MULTIFUNCTIONAL DISPLAY

BC7 SERIES / 10.4"

Wherever devices in the UIC612 format with scalable performance in the smallest of spaces and an all-round hermetically sealed housing are required, our latest product, the BC7 series, is used. The front is designed in accordance with the standard requirements (UIC) both mechanically and in terms of the key layout. This device series is therefore predestined for applications as MMI (DDS) and functionally as TRD, TDD, CCD and ETD.

At a glance

- UIC 612 keyboard and / or touch screen (technology resistive or PCAP)
- LED backlight
- Lowest installation depth, only 45 mm
- Interfaces: Ethernet, USB (service)
- Additional interfaces can be retrofitted via mini PCIe slots
  (e.g. RS422, Audio MVB, CAN or custom modules)
- Wide range power supply 24 - 110 V DC (+/-40%)
- Optional integrated short-term UPS, maintenance-free
- Custom front
- Optional glass front (optical bonded glass front with BC78-Series)
- 11.6" Full-HD display with BC78-Series

Processor variants

BC74xx
- Intel embedded processor Apollo Lake
- up to 4 cores, 4 GB RAM
- very fast video decoding (streams, H.265)
- Low power loss, long-term availability

BC75xx
- Latest Intel embedded processor Elkhart Lake
- very fast video decoding (streams, H.265)
- Low power loss, long-term availability

Mobility | Making mobility happen.

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Technical data	BC74xx	BC75xx
Processor	E3940, Quad-Core 1.8 GHz	Elkhart Lake
Memory (RAM)	4 GB DDR3L	8 - 16 GB
Memory	≥ 4GB CFast	≥ 4GB CFast
Additional memory card	-	-
Display	10.4" TFT display, VGA 640 x 480 optionally 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 in accordance with UIC 612 Key illumination LED, automatically controlled Touch screen PCAP technology, also for multi-finger operation	
Interfaces	ETH, USB, other interfaces such as RS232, RS422, MVB, CAN, audio and more options via four mini PCIe slots	
Power supply	Wide range power supply for input voltages from 24 - 110 V DC (+/-40 %) also with integrated short-term UPS	
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 (T3) -40 °C to +70 °C (Tx)	
Operating system and hardware drivers	WES, Windows 10 IoT Enterprise, LINUX (QNX on request)	Windows 11, Linux
Standards / norms	EN 50155, EN 50121-3-2, EN 60068, EN 61373, EN 45545	
Dimensions WxHxD	310 x 214 x 45 mm	
Options (on request)	Front foil with customer logo Analog and digital inputs and outputs, WiFi, USB on the front Microphone, speaker etc. Front USB charging socket (smartphone, tablet) Integrated UPS with DLC buffering	