

# Multifunctional Display

## BC7 series / 10.4"

Wherever devices with UIC612 format are needed, in the smallest space with completely hermetically sealed housing, our newest product, the BC7 series, is used. The front is designed both mechanically and by the key layout according to the requirements of the UIC standard. This products series is therefore perfectly suited for applications as MMI (DDS) and functionally as TRD, TDD, CCD and ETD.

### At a glance

- UIC612 keyboard layout and/or touch screen (resistive or PCAP touch)
- LED backlight
- lowest installation depth, only 45mm
- interfaces: serial, Ethernet, USB (service)
- expansion via Mini-PCIe slot possible (e.g. RS422, Audio, MVB, CAN or customer specific modules)
- wide range power supply 24-110V DC (+/- 40%)
- Option: int. short time UPS, maintenance free

### Versions:

#### BC70xx, BC71xx and BC72xx

- ARM A8, A9 and Vortex processors
- low power dissipation, long time availability
  - Linux and (also older) x86 OS loadable (refurbishment)

#### BC73xx and BC74xx,

- newest Intel processor generation (Apollo Lake)
- up to 4 cores, 8 GB RAM
- very fast video decoding (streams, H.265)
- low power dissipation, long time availability



Front view: BC74xx with UIC front



Rear view: BC74xx, configured: ETH, USB and RS485

# Specifications

Specifications	BC70xx, BC71xx, BC72xx	BC73xx, BC74xx
Processor	ARM A8, A9 , Vortex DX3 Up to1 GHz	Intel E3930, E3940, E3950 Dual-, Quad-Core 1,6 – 2,0 GHz
RAM	256 / 512 MB	2 - 8 GB DDR3L
Storage	≥ 2 GB CFast, Compact Flash	≥ 4 GB CFast
Additional card	SD-Card	-
Display	10.4" TFT display, VGA 640 x 480 optional SVGA 800 x 600 orXGA 1024 x 768 (IPS) LED backlight Automatic and/or manual brightness control	
Keyboard and/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 (5 wire) PCAP technology, also with Multi touch	
Interfaces	RS422/485, RS232, Ethernet, USB, PC/104 (opt. PS/2, CAN, MVB, Audio)	ETH, USB, other interfaces e.g. RS232, RS422, MVB, CAN and options via 4 Mini-PCle slots
Power supply	Wide range power supply 24 – 110V DC (+/- 40%) also with int. short time UPS	
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 (T3) -40°C up to +70°C (Tx)	
Operating system and hardware drivers	LINUX, QNX, Windows	WES, Windows 10 IoT Enterprise, LINUX, QNX
Standards / Norms	EN 50155, EN 50121-3-2, EN 60068, EN 61373, EN 45545	
Dimensions WxHxD	310 x 214 x 45 mm	310 x 214 x 45 mm
Options (on request)	Front foil with customer logo Custom front plate dimensions Analog and digital inputs / outputs, WiFi, USB on front Microphone and loudspeaker etc. USB charging interface on front (for Smartphones, Tablets) Integrated UPS with buffering via DLCs	

## Contact

GERSYS GmbH  
Hans-Urmiller-Ring 12a  
DE-82515 Wolfratshausen  
GERMANY

phone.: +49 8171 / 38626 – 0  
fax: +49 8171 / 38626 – 99  
Web:<http://www.gersys.com>  
e-mail: [sales@gersys.de](mailto:sales@gersys.de)