

## VISAM Touch Panel „VTP-BX121“

Operator panel with 12" display and SCADA functionality

Artikel-Nummer: VTP-BX121-x



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- Compatible with all common remote systems

The VTP-BX series of operator terminals consists of 3 devices with 12", 15" and 17" screens. The modern design line is suitable for a wide range of applications and offers IP66-certified protection against dust and liquids with the flat and gap-free front panel. The displays, in the classic 4:3 format, are equipped with LED backlight and resistive touchscreen.

The operating units are designed for the adverse conditions in industrial environments. They operate completely fanless, are free of moving parts and can be used even under strong vibrations (max. 1 Grms) and shocks. The wide temperature range of -20 to 60° Celsius opens up additional fields of application for the HMI devices, e.g. outdoors.

Strong hardware equipment with Intel Atom Quad-Core CPU as well as fast RAM and SSD memory enable smooth operation of the application, even in demanding automation projects. The BX operating devices are delivered with

- Includes complete software package: Editor, Runtime and OS

Windows 10 IOT as well as with the „large“ VBASE Runtime. VBASE Pro-RT processes more process images and variables than the compact runtime.

- Full-graphic operating unit with 12" TFT display and touchscreen
- Integrated interfaces: 2x G-LAN, 2x COM, 4x USB
- Extended operating temperature: -20 ~ 60° C
- IP66 front panel
- incl. HMI / SCADA development software, runtime environment and operating system

## Common specification

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### Hardware:

CPU	Intel® Atom™ E3845 1.91 GHz (Quad Core, fanless)
RAM	4GB DDR3L 1600MHz SO-DIMM SDRAM
Storage	4GB MSATA
Interfaces	2x 10/100/1000 Base-T Ethernet 1x RS-232 1x RS-232/422/485 1x USB 3.0 3x USB 2.0
Expansion	Full-size Mini PCI-E iDoor

### LCD Display:

Size / Type	12" XGA TFT LCD
max. Colors	16.2 Mio
Resolution	1024 x 768 Pixel
Viewing angle	178° / 178° (H/V)
Luminance	600 cd/m <sup>2</sup>
Contrast ratio	1000 : 1
Backlight	LED, 50.000 h MTBF

### Touchscreen:

Type	5-wire, analog resistive
Resolution	linear
Transparency	> 75%
Duration	36 mio. touches with silicon rubber

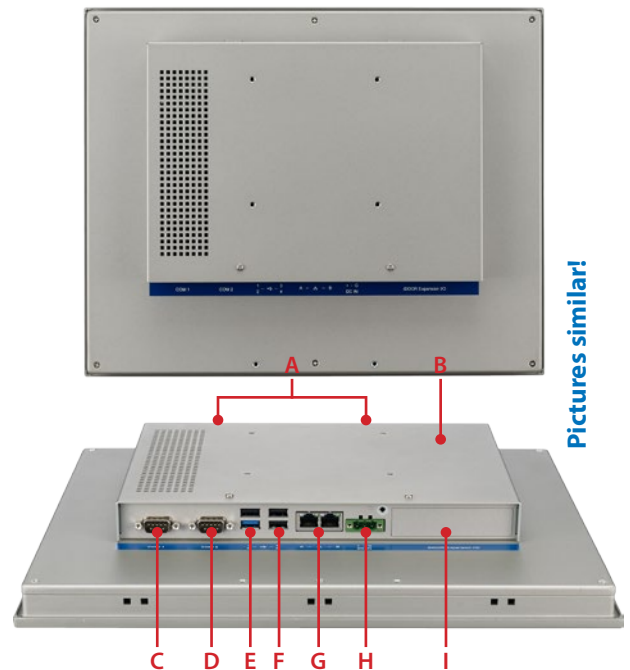
### Environment:

Construction	Front panel: die-cast Al-Mg, Chassis: SECC
Certificate	CE, BSMI, CCC, FCC, UL
Protection	IP66 (front)
Dimension	311.8 x 238 x 55.4 mm
Weight	3.12 kg
Energy	29W Typical, 58W Max. 24VDC ±20%
Vibration	1 Grms (operating, random)
Temperature	Operating: -20 ~ 60° C (-4 ~ 140° F) Storage: -30 ~ 70° C (-22 ~ 158° F)
rel. Humidity	10 ~ 90% @ 40° C, non-condensing

#### Options

- MPI-Adapter, PPI-Adapter
- 100 ~ 240 VAC PSU

### Rear / Interfaces:



- |            |                   |                |
|------------|-------------------|----------------|
| A. Antenna | D. RS-232/422/485 | G. Gigabit LAN |
| B. SSD bay | E. USB 3.0        | H. 24VDC in    |
| C. RS-232  | F. USB 2.0        | I. iDoor       |

### Software:



OS	Windows 10 IOT 64bit LTSB
HMI Runtime	VBASE Pro-RT
<b>HMI functions:</b>	
<ul style="list-style-type: none"> <li>▪ Fullgraphical process visualization</li> <li>▪ Handling, monitoring and steering of processes</li> <li>▪ Messaging system</li> <li>▪ Multi-language support</li> <li>▪ Logging of process data</li> <li>▪ Recipe administration in up to 16 levels</li> <li>▪ Access safety device and user administration</li> <li>▪ Database interface</li> <li>▪ Line recorder functionality</li> <li>▪ Integrated programming language</li> <li>▪ VBASE Web-Remote: HTML5 HMI interface</li> <li>▪ Compatible with all common automation protocols, field busses and remote systems</li> </ul>	