



HMI Systems

For better understanding between man and machine.



Scalable Performance
The right performance class
for every application



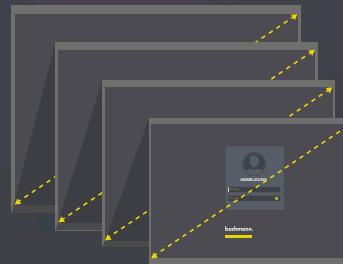
Brilliant multi-touch displays
For optimal representation and
intuitive operation



Ultra-fast flash storage media
For performant data handling



100 % series tests
For absolute reliability and
long lifespan



Wide-screen diagonals from 7" to 21.5"
For modern optics in every size



0 to 60 °C operating temperature
For coolness in hot environments

The Future of **Visualization:**

Multi-touch, multi-task and multi-functional



Optimum performance

Brilliant, fast, fault-free, robust, efficient – the HMI systems of the next generation meet all the requirements placed on the operation and visualization of complex systems. The combination of powerful processors and state-of-the-art touch screens guarantees the trouble-free visualization of complex graphic user interfaces. The result: Greater efficiency in the control of large data volumes.



Maximum flexibility

With its Web terminal OT1200, panel PC OT1300 and remote series (BPC1500, DD1500, DF1500), Bachmann electronic offers a state-of-the-art portfolio for a very wide range of applications and performance classes. These naturally feature extensive configuration options as well as allowing customization, such as for adapting the front plate to your corporate design or customized software solutions.



100 % quality

Bachmann products and technologies are renowned for their robustness, durability and “made in Austria” production quality. Reliability is ensured with 48-hour run-in tests in the climatic chamber, which every visualization device must undergo.



Perfect integration

As system suppliers, Bachmann can offer a level of integration for components that is unique to the market. Controller, visualization software and HMI hardware are perfectly matched for the long term trouble-free and economical use of systems.



Ask us for a tailored HMI application for your company.



Interactive, powerful, cost-efficient
OT1200 WEB TERMINAL

Zooming, swiping, scrolling ... the handling of the web terminals is as easy as operating your smartphone. With a powerful processor, 2D/3D graphics controllers and the most modern touch screens, the terminals are ideally equipped for small and medium-sized visualizations. For the touch technology you can choose between the cost-efficient analog-resistive touch screen and the high quality projective-capacitive multi-touch screen, depending on your requirements. Both variants otherwise have the same features, including the modern design.



PERFECT DISPLAY

Very good viewing angle, bright picture and strong colors in the widescreen format from 7" to 10.1" and 12.1" right up to 15.6" with full HD resolution, optionally with multi-touch

INTEGRATED

Perfectly adapted for Web visualizations, especially atvise®

COST-EFFICIENT

Optimum price-performance ratio thanks to well thought-out functions

POWERFUL

Freescale ARM® Cortex®-A9 i.MX6Dual+ processor and ultra-fast CFast mass memory

ROBUST

Standard operating temperature 0 to +60 °C

APPLICATION

The perfect choice for visualizations with web applications such as M1 webMI pro, atvise® or other Linux-based visualization solutions.

Scalable, versatile, tailor-made

OT1300 **PANEL PC**

An application can only perform at full capacity if it is configured to the specific requirements at hand. The OT1300 series therefore offers a number of options – from the selection of the mass memory and operating system to different display diagonals, right up to the corporate design of the front plate.

INTUITIVE

Graphically complex user interfaces

POWERFUL

Processing of large data volumes

MODULAR

Broad selection between 5 performance variants (e.g. Intel® Core™ i7 high-end processor), storage media from 16 to 512 GB (CFast, SSD), 9 diagonals from 10" to 21.5" and operating systems (Windows 10 IoT Enterprise, Windows Embedded Standard 7)

OPEN

Customer-specific interface extensions possible

INTEGRATED

Perfectly designed for web visualizations with the atvise® technology

APPLICATION

Medium to large machine applications in industrial environments and renewable energy applications.



Independent, remotely controlled, flexible

BPC1500 **BOX PC**

The Box PC is excellently suited for service operations and as a remote visualization solution together with the DD1500 and DF1500 remote displays. The remote installation from the display is implemented with a single and easy to install standard Ethernet cable (up to 100 m). The BPC1500 series stands out on account of the large number of interfaces provided, and two PCIe interfaces can also be added for specific applications.



SCALABLE

Different performance and expansion options

POWERFUL

Intel® Celeron® 1020E (2x 2.2 GHz),
Intel® Core™ i7-3610QE (4x 2.3 GHz)

INTERFACES

4x USB 3.0, 2x USB 2.0 // 2x RS232, 2x RS232/422/485 // 2x ETH 10/100/1000 MBit
VGA, DVI-I, HDMI, display port // 1x PCIe x1, 1x PCIe x4 // high definition audio (HD), Line out, Mic-in // expandable with PCIe interface cards

APPLICATION

For decentralized visualization solutions with remote displays and high-performance server tasks, e.g. atvise® scada.

Remote display

DD1500 / DF1500

The two DF1500 remote displays (cabinet) and DD1500 (bracket with VESA standard) are the logical addition to the BPC1500 Box PC. With full HD, multi-touch, as well as a very compact and thin design, they meet the most demanding requirements in terms of performance and display.



INTUITIVE

Projective-capacitive multi-touch

LARGE DIAGONALS

18.5" and 21.5"

OPTIONAL

USB 2.0 and emergency stop

ROBUST

Operating temperature 0 to 50 °C

AS REQUIRED

For bracket or cabinet mounting

APPLICATION

As a decentralized display for machine visualizations together with BPC1500.

Perfect HMI portfolio

Our visualization solutions for your success



M1 webMI pro

Visualize in pure Web technology directly on the M1 control platform!

- Your Web visualization integrated directly into the M1 control system
- Performant visualization with low footprint
- Operate and observe on a wide variety of terminal devices through a standard browser
- Integrated alarming and historization of variables
- User management and access security



atvise® hmi

Performant Web visualization combined with a wide range of OPC UA features and efficient engineering.

- Vertical data processing by means of OPC UA DA, HA, A&C, methods
- Data acquisition by means of OPC UA, S7 Step7/TIA, Ethernet/IP, Modbus, BACNet
- Vertical object orientation in the engineering of graphics and data objects
- Alarm management with high-level features (shelving, suppression, deactivation)
- Historization with integrated aggregation
- Performant server-scripting engine



atvise® bundles

Take advantage of the best of both worlds with the combination of Bachmann HMI terminals and atvise® visualization products!

- Visualization server & operating device in one
- Everything from a single vendor
- Preinstalled delivery
- Scalable from the smallest visualizations to full-grown SCADA applications
- Support for cascaded architectures



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