

Next Level HMI – Experience the Future

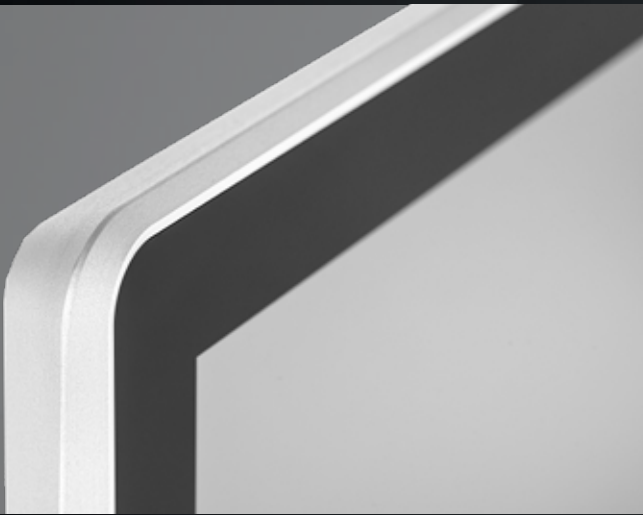


# Innovative design as a sign of technical advantage

Operators perceive progress in machines via the Touch Panel technology used. With new, trend-setting accents in design and multi-touch interaction, we are extending our lead in machine operation even further with the new Touch Panel generation.

The completely revised housing design impresses with clear lines on the outside and inside, has even more customizing features, and also offers an extremely well thought-out, compact arrangement of functions.

Practical: the full HD display and the flexible, scalable computing unit have become two independent, quickly replaceable modules. Thanks to the improved touch controller, operation is now even more intuitive, the system responds more sensitively, and interaction with the machines is thus easier than ever before. We call all this „Next Level HMI“ for short.



## Perfected for use on the machine

The completely redesigned housing with its specially beveled edges prevents unwanted dirt from settling on the Touch Panel in production environments.

The Panel always matches the color of your machines and systems, because the back cover of the Panel can be powder-coated in your company colors.

All available installation variants fit visually into the new design world, so that your customers perceive an appealing, consistent design.

## VESA Automation in Next-Level HMI Design

The VESA Automation line has also become more attractive. The housing has been visually revised and given a new design. For added elegance, the pushbuttons are particularly flat. As a safety element, the emergency stop button is integrated in an easily accessible position on the right-hand side of the pushbutton strip. To the left, the strip can be extended by additional pushbuttons with freely selectable functions. In total, depending on the size of the VESA automation panel, up to eight buttons are possible.

By integrating the pushbutton strip into the front of the housing, there are no more unnecessary dirty edges and the panel appears as if it were cast from a single mold.

- Particularly slim pushbuttons
- Individually assignable functionality
- Integration of an RFID reader in the pushbutton strip
- Color customization of the pushbutton strip possible according to your specifications
- Connection of the pushbuttons via standard plug connectors
- Pushbutton evaluation via different field buses possible
- Pushbuttons can also be exchanged in the field, thus reducing service and downtimes





### Touch operation at the highest level

In our new touch panel generation, we are also setting new standards in the area of touch functionality. It has become much more sensitive, allowing machine applications to be operated with greater precision and responsiveness than ever before.

- New generation of touch controllers
- Optimized touch sensitivity helps avoid erroneous touches
- Very high EMC stability

### Full HD

The size portfolio of our Touch Panels has been expanded by the 13.3-inch display diagonal, so that we can respond even more flexibly to customer wishes in the 12.1 and 15-inch range. With the new diagonal, we can now offer you Full HD resolution starting at 13.3 inches.

### Back cover made to measure

Flexibility is our strength and that of our Touch Panels. The new housing design gives you even more freedom in your Touch Panel configuration.

All technical components have been integrated into the back cover to save space. Heat is dissipated extremely advantageously via the die-cast housing, thus enabling completely fanless operation. We implement this concept in all mounting and installation solutions.

- Designed for a wide temperature range from 0 to 50 °C
- Small display diagonals have special cooling fins that ensure reliable heat dissipation of the Touch Panel at higher temperatures
- A power button or USB interface can be integrated on the side of the back cover



## High-tech, compactly packaged

Our new Touch Panel generation is available from 7 to 24 inches in different performance classes. We have retained the proven flexibility from existing housing lines for the new system. This improves the already very high scalability.

We have provided two different back cover sizes. The separation depends on the display diagonal and occurs at 12.1 inches.

For Automation, VESA and Front Panel, we use the same solution optically and mechanically.

- Well thought-out positioning of CPU and add-on options
- One add-on each possible (UPS, Ethernet, USB, individual extensions)



## Protection up to IP65

A higher protection class is often required in particularly demanding environments in order to safely protect the sensitive technology from dust and moisture. With the cover extension our Touch Panels reach the protection class IP65.

## Improved panel assembly

From now on, one person is sufficient for Panel mounting. Thanks to the mechanically provided lug, the front unit can be hooked in so that it hangs freely. This leaves the installer's hands free for cabling.

Even in confined spaces, access to the interfaces is guaranteed and panel installation can be implemented quickly and easily.

- Optimized installation situation
- Adaptation can be carried out by one person
- Convenient accessibility of the interfaces





### **Adaptation according to your wishes**

We would like to offer you maximum scope not only in the area of performance, but also in the area of installation. We have provided various options for this.

Our support arm solutions can be mounted using VESA-75 or VESA-100 mounts. But also 48 mm tube adapters or individual mounting devices are possible. We have also already provided an Icotek screw connection.

### **Shorter delivery times thanks to optimized housings**

Another advantage of our solution is shorter delivery times. All components are integrated into the back cover, for each performance class. This results in two completely separate system modules that only need to be connected.



### **Quick solution in the event of an incident**

Sometimes unintentional mechanical influences occur in daily use that can damage even the most robust displays. In the past, the complete Touch Panel then had to be removed. With the two-part Touch Panel generation, damaged display units can now be replaced with little effort, and the displays can be replaced independently of the technology. This ensures significantly shorter downtimes due to repairs.

### **Security for your data**

By simply separating the computing unit from the display unit, only the front section needs to be replaced. The computer with all its data remains safely in place, eliminating time-consuming archiving work and significantly speeding up the recommissioning of the entire system.

