

# Technical Features

## Next Level VESA Automation



### Optics and technical functionality

The modern design language combines interesting lines with sophisticated functionality. The housing of the new Touch Panel generation fulfills a central task. Dirt and liquids cannot settle. This makes cleaning easier for you.

For a particularly high level of individuality, you can customize the color of the back cover. The Touch Panel then matches the rest of the machine design perfectly. The button bar can also be customized in color. Visually, the particularly flat pushbuttons blend in perfectly with the overall appearance. In addition to the pushbuttons, an RFID reader can also be integrated.

Another advantage is the separation into separate units. You can replace the display separately from the back cover. This shortens downtimes and complex data storage is no longer necessary.

## Highlights of the latest Touch Panel generation:

### Display:

- Numerous display diagonals from 13.3 to 24 inches in Full HD
- Use of the latest touch controller

### Performance and Interfaces:

- Numerous performance classes from monitor to powerful Touch Panel PC
- Individual configuration through interface extensions and memory upgrades
- Intelligence is compactly integrated in the back cover with consistent form factor
- Connection to different fieldbus systems through expansion card
- Button evaluation via different field buses
- Button exchange in the field possible
- Image and BIOS adaptation for Windows and Linux

### Touch Panel:

- Protection up to IP65
- Quick display exchange in case of service, due to separate front and rear unit
- Retrofitting in the field possible
- Development and production in Germany

From Ideas To Reality

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ELECTRONIC SYSTEMS

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### System Overview 3965U, i3, i5, i7:

TPM 2.0: Yes  
USB 2.0 Host: 2 (Type A, bottom)  
USB 3.0 Host: 2 (Type A, bottom)  
Ethernet 10/100/1000-BaseT: 2 (RJ45)  
EIA-232/422/485: 1 (Sub-D)  
DisplayPort: 1 (DP 1.1)  
RTC: Yes  
Temperature range: 0 to +50°C  
Cooling: Passive (fanless)  
Power: 12 - 24 VDC  $\pm$  20%  
Power Button: Optional

### Extensions:

USB  
Ethernet 100 Mbit  
Ethernet based field buses  
UPS  
CAN  
Side USB 2.0 / Power Button

### Possible applications:

Monitor, Distance Monitor, Panel PC

### Display diagonals:

13.3 - 24 inch available in Full HD

### Possible CPUs:

Intel® Celeron™ N3350 1.1 GHz  
Intel® Celeron™ 3965U 2.2 GHz  
Intel® Core™ i3-7100U 2.4 GHz  
Intel® Core™ i5-7300U 2.6 GHz  
Intel® Core™ i7-7600U 2.8 GHz

### Memory:

RAM: max. 8GB DDR3L (N3350)  
RAM: max. 32GB DDR4  
Mass storage: 3D TLC SSD 64 GB up to 512 GB

### System Overview N3350:

TPM 2.0: Yes  
USB 3.0 Host: 2 (Type A, bottom)  
Ethernet 10/100/1000-BaseT: 2 (RJ45)  
EIA-232/EIA-422/EIA-485: 1 (RJ50)  
DisplayPort: 1 (DP 1.0)  
RTC: Yes  
Temperature range: 0 to +50°C  
Cooling: Passive (fanless)  
Power: 12 - 24 VDC  $\pm$  20%  
Power Button: Optional

