Technical Features
Industrial VESA

With our modular system you can configure the Touch Panels of the Industrial VESA series exactly according to your requirements. In addition, you get an extensive range of expansion options and different CPUs. So you are extremely flexible without leaving the standard. This saves you high development costs.

Protection up to IP65

You need a higher protection class for your application? We also offer you an elegant solution for this. On the back of the industrial Touch Panel, the protection class can be easily increased with the help of an extension. The extension has an opening through which the cables are pulled. The interfaces are then completely protected from environmental influences. This is how you achieve the IP65 protection class.

Benefits of the Touch Panel Industrial VESA at a glance:

- Numerous display diagonals from 7 to 24 inches
- 13.3 to 24 inches in Full HD
- Numerous performance classes from monitor to powerful Panel PC
- Individual configuration through interface extensions and memory upgrades
- Intelligence is compactly integrated in the back cover with uniform form factor
- Protection up to IP65
- Development and production in Germany
- Image and BIOS customization for Windows and Linux
- Individual color design of the back cover, matching the machine design
- Quick display exchange in case of service, due to separate front and rear unit
- Retrofitting in the field possible

To product web page:

From ideas to reality

Christ
ELECTRONIC SYSTEMS

Technical Features

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Possible applications:
Monitor, Distance Monitor, Web Panel,
Panel PC, All-in-One PLC

Display diagonals:
7 - 24 inch, 13.3 inch to 24 inch available in
Full HD

Possible CPUs:
- NXP® i.MX 8M Plus Quad Core
- 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. 4GB DDR4 (i.MX8)
- RAM: max. 8GB DDR3L (N3350)
- RAM: max. 32GB DDR4
- Mass Storage: eMMC 8 GB to 64 GB,
  Micro SD Card
- Mass Storage: 3D TLC SSD 64 GB to
  512 GB

System overview i.MX8:
- TPM 2.0: Yes
- USB 3.0 Host: 2 (Type A, bottom)
- Ethernet 10/100/1000-BaseT: 2 (RJ45)
- EIA-232: 1 (Sub-D)
- RTC: Yes
- Temperature range: 0 to +50°C
- Cooling: Passive (fanless)
- Power: 12 - 24 VDC ± 20%
- Power Button: Optional

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 ± 20%
- Power Button: Optional

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 ± 20%
- Power Button: Optional

System overview All-in-One SPS with CODESYS:
- CPU: NXP® i.MX 8M Plus QuadCore (1.35 GHz or 1.8 GHz; license-dependent)
- TPM 2.0: Infineon SLB9670
- NVRAM: 128 kB
- RTC: RV-8803-C7 (±5 ppm)
- RAM: 1 GB DDR4
- Primary mass Storage: eMMC, 8 GB
- USB 3.0 Host: 2 (Type A, bottom)
- Ethernet 10/100/1000-BaseT: 2 (RJ45)
- Operating temperature: 0 to +50°C
- Cooling: Passive (fanless)
- Power: 24 VDC ± 30%
- Reset Button: Yes
- UPS: Yes (internal, for system use)
- Run/Stop Switch: Yes (lighted)
- Service Button: Yes
- Power/Error/User LED: Yes (RGB-LED)

There are numerous extensions for all variants