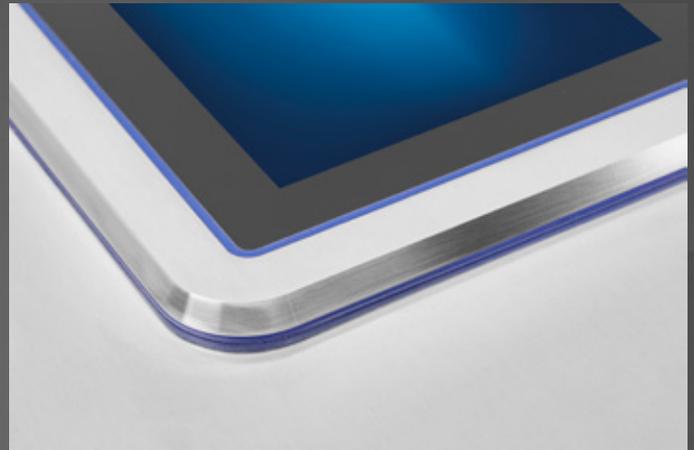


Hygienic Front Panel Stainless steel

Perfect for use in the food and pharmaceutical industries



Design for demanding environments

The visually appealing Front Panel is ideally suited for use in hygienically demanding areas such as the food industry and pharmaceutical production.

In order to produce flawless food and medicines, high standards of hygiene must be maintained. The Hygienic Front Panel's sophisticated design with beveled, smooth surfaces and rounded edges allows liquids to flow away freely and prevents dirt and bacteria from settling. A PET splinter protection film on the display minimizes the risk of splinters getting into food or medication if the glass is damaged.

Extremely resilient seals

We deliberately use blue gaskets to make possible soiling at the sealing points easy to detect visually. The seals are highly resistant to the acidic and alkaline cleaning agents typically used. They are also resistant to weathering, aging and UV radiation, as well as to high temperature fluctuations. Due to their high mechanical strength, they are very durable and perfectly suited for demanding use in the food and pharmaceutical sectors.

To product web page:



From ideas to reality

Christ
ELECTRONIC SYSTEMS

Technical features

Hygienic Front Panel

Possible applications:

Monitor, Distance Monitor, Web Panel, Panel PC, All-in-One PLC

Display diagonals:

7-18.5 inch, from 13.3 also 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 (i.MX8)
- 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 PLC with CODESYS:

- CPU: NXP® i.MX 8M Plus QuadCore (1.35 GHz oder 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

