

Hygienic VESA Automation in stainless steel

Perfect for use in the food and pharmaceutical industries

Benefits of the Hygienic VESA Automation in stainless steel at a glance:

- Display diagonal 18.5 inches in FWXGA or Full HD
- 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 uniform form factor
- Connection to different fieldbus systems via expansion card
- Development and production in Germany
- Image and BIOS customization for Windows and Linux
- Retrofitting in the field possible



To product web page:



From ideas to reality

Christ
ELECTRONIC SYSTEMS

Hygienic VESA Automation

Reliable partner in the food and pharmaceutical industry



Design for demanding environments

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

To produce flawless food and medicines, high hygiene standards and GMP requirements must be met. The sophisticated design without joints and edges and the use of hygienic screws facilitate cleaning. The beveled, smooth surfaces and rounded edges of the Automation Hygienic Panel, allow liquids to flow freely and prevent dirt and bacteria from settling.

Save money with the Christ stainless steel Panel:

- Optimal hygienic design shortens cleaning and downtimes
- Quality fluctuations are prevented
- Processes are optimized



Key Features:

- Surface inclination 5°
- Inner radius min. 4 mm
- Bending angle of the edges >150°
- Brushed stainless steel with R_a -value <0.8
- Completely IP69 protected
- Chemically hardened glass and Splinter protection foil

Completely enclosed housing

The completely closed system works, thanks to sophisticated cooling, completely without fans and ventilation slots. Due to the IP69 protection class housing design, no liquids or dust can penetrate the device.

The Touch Panel with hygienic design meets all EHEDG requirements for the design of hygienic machines and is CE certified. All materials that may have direct or indirect contact with the products are FDA-compliant and withstand the use of typical cleaning agents and disinfectants, as well as high-pressure cleaners. This also makes the Panels suitable for use in GMP-regulated areas.



Safety for your products

The chemically tempered glass is particularly hard and resistant. An additional shatter protection film made of PET on the display minimizes the risk of splinters getting into food or medication in case of damage to the glass. The film is extremely wear-resistant. It meets the hygienic requirements in the food and pharmaceutical sectors and can be cleaned with most cleaning agents. The sturdy stainless steel frame additionally prevents the glass from splintering in case of impact.



Easy attachment due to VESA mount

Due to the intended mounting arm installation by means of a standard VESA mount, all connections are completely protected from external influences.



Push buttons for more flexibility

For even greater flexibility, up to eight Push Buttons are available in the flat stainless steel front frame with individual assignment and printing. The Push Buttons comply with protection class IP69. The emergency stop button is integrated into the device as standard.



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.

At a glance:

- Easy to clean due to hygienic design
- Individually assignable buttons
- Suitable for use in GMP-regulated areas
- Hygienic seals
- Standard VESA mounting
- Adaptation to various support arm systems

Technical Features

Hygienic VESA Automation

Possible applications:

Monitor, Distance Monitor, Web Panel, Panel PC

Display diagonals:

18.5 inch in FWXGA or 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, rear)
- Ethernet 10/100/1000-BaseT: 2 (RJ45)
- EIA-232: 1 (Sub-D)
- RTC: Yes
- Temperature range: 0 to +40°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, rear)
- 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 +40°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, rear)
- USB 3.0 Host: 2 (Type A, rear)
- 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 +40°C
- Cooling: Passive (fanless)
- Power: 12 - 24 VDC ± 20%
- Power Button: Optional

Extension possibilities:

- USB
- SD-Card
- Ethernet 100 Mbit
- Ethernet based fieldbuses
- UPS
- CAN
- Side USB 2.0 / Power Button

