

Technical features

Touch PLC series

The logical extension of our modular system is the integrated control functionality in a powerful Touch Panel. Equipped with a powerful i.MX8 M Plus CPU, the system is ideally suited to run CODESYS Control V3 Runtime, CODESYS Web/TargetVisu and other applications in parallel.

Benefit from our many years of experience in the development and production of powerful Touch Panel PCs. You will receive solutions with optimally coordinated components for a smooth **machine operation and control**.

Benefits of the Touch PLC series at a glance:

- **Cost optimization** by integration of the PLC in the Touch Panel
- Optimal use of limited space in the control cabinet
- Numerous display diagonals from 7 to 24 inches
- Individual configuration through interface extensions and memory upgrades
- **Development and production in Germany**
- NVRAM for storage of persistent data
- Integrated UPS for reliable data storage and safe control operation (e.g. in case of power interruption)
- **CODESYS support directly from the manufacturer**
- Touch PLC series can be combined with the entire Christ Touch Panel portfolio
- Control elements of the Touch Panel can be read directly in the PLC (no wiring effort)



Possible fieldbus technologies:

- **CANopen**
- **EtherCAT**
- **EtherNet/IP Scanner**
- **PROFINET**
- **Modbus TCP**
- **Modbus Serial**
- **OPC UA**

Many already integrated in the standard scope of delivery.

To product web page:



From ideas to reality

Christ
ELECTRONIC SYSTEMS

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Technical data

CODESYS

- Version: V3
- Development environment: IEC 61131-3
- Visualization: WebVisu / TargetVisu / WebVisu & TargetVisu (license-dependent)

Display diagonals

- 7 - 24 inch, from 13.3 inch also available in Full HD
- Resolution: 800 x 480 up to 1920 x 1080 Full HD
- LED Lifetime: 50.000 h

System

- 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 (bottom)
- UPS: Yes (internal, for system use)
- Run/Stop Switch: Yes (lighted, bottom)
- Service Button: Yes (bottom)
- Power/Error/User LED: Yes (RGB LED, bottom)

Extensions

- Memory extension: 2GB DDR4 + 16 GB eMMC
- USB 2.0
- Ethernet (100 Mbit)
- CAN
- RS232
- RS485
- Digital inputs and outputs
- SD card

