

## HMIs from the cMT series with CODESYS V3 PLC



- No hardware modification required
- CODESYS PLC according to IEC61131-3
- Simple commissioning and programming

<https://www.wachendorff-prozesstechnik.de/en/cMT-CODESYS>

### Description

The HMIs in the cMT series with CODESYS PLC are based on an innovative architecture in which a duo-core CPU runs two independent operating systems.

With the multi-core processor, the cMT HMI + CODESYS is able to implement data visualization with an operable user interface and run the control logic at the same time.

### Product details

|           |                                                                                                                                                                                                                       |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hardware: | CPU: ARM Cortex A9 1GHz<br>Ethernet: 1x 10/100/1000-BaseT (LAN1)<br>CAN bus: 1x CAN bus                                                                                                                               |
| Memory:   | Data, input, output, memory, code: 3 MB<br>Retain area (values are retained after a restart): 16 kB (every minute)<br>Persistent area (values are retained after download): 16 kB (every minute)<br>File system: 8 MB |

### Software:

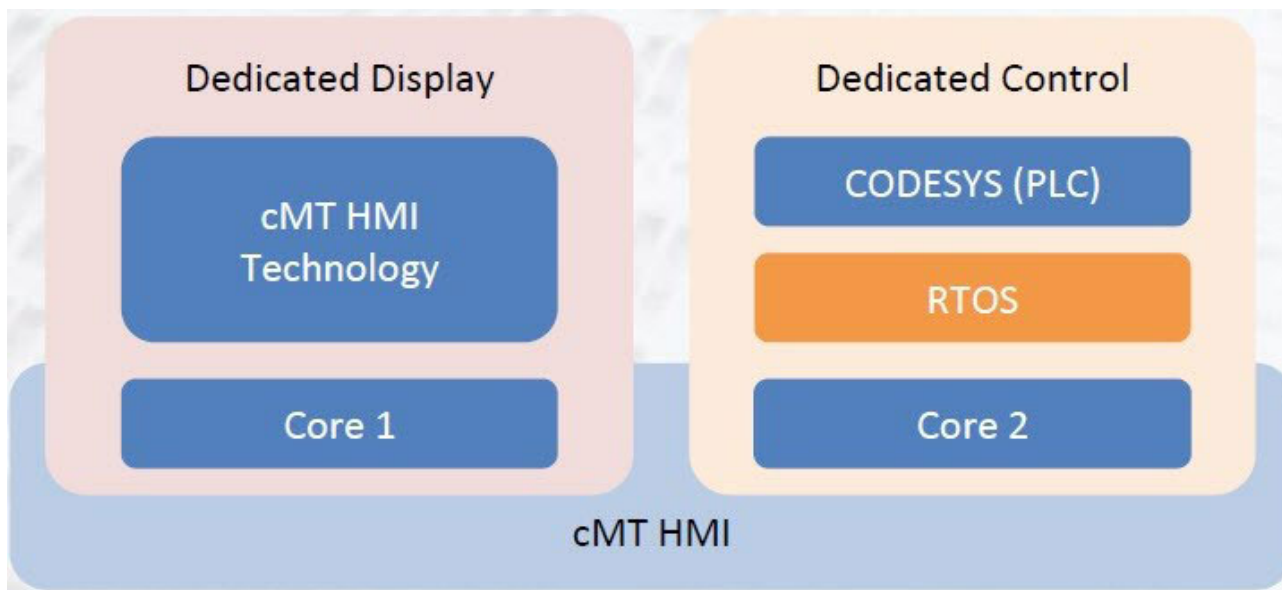
- Supports all cMT functions
- Dedicated resources for two systems (HMI and PLC logic)
- High-performance PLC running on a real-time operating system (RTOS).
- Supports CANopen, MODBUS TCP/IP and EtherCAT decentralized I/O modules
- PLC Runtime: CODESYS Control for Embedded Systems
- Protocol: Modbus TCP/IP Master, CANopen Manager
- Number of Modbus TCP/IP slaves: 32 stations per master
- Number of CANopen slaves: 126 stations per master
- SoftMotion: No
- Runtime login/monitoring/download:
- Utility Manager (download only)
- PLC login via LAN1
- PLC login via LAN2 (HMI via TCP)
- PLC development environment: CODESYS V3.5 SP10 Patch 3 or newer
- HMI development environment: EasyBuilder Pro V6.00.02 or newer
- HMI driver: Weintek Built-in CODESYS

Supported HMI models: cMT3071  
cMT3092X  
cMT3152X  
cMT3162X

Manufacturer: Weintek Labs, Inc

Drawings

cMTCODESYS architecture





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