



An HMI x PLC Solution. Features include:

- No hardware modification required
- CODESYS PLC compliant with IEC61131-3
- Easy to start and program

## Hardware

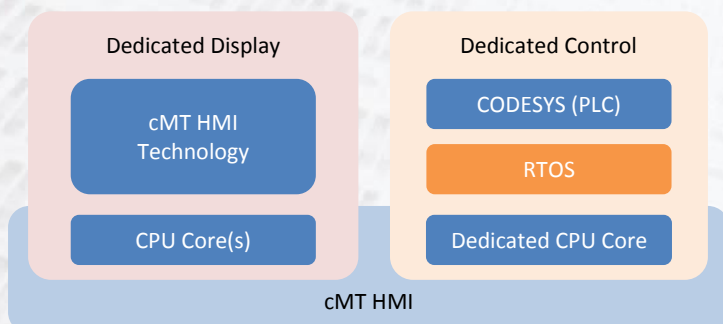
<b>Ethernet interfaces</b>	1 x 10/100/1000-BaseT (LAN1)*
<b>CAN bus</b>	1 x CAN bus*

## Storage/Memory

<b>Data, Input, Output, Memory, Code</b>	3 MB
<b>Retain area (Data persists after reboots)</b>	16 KB (Data is saved every 1 minute)
<b>Persistent area (Data persists after downloads)</b>	16 KB (Data is saved every 1 minute)
<b>File system</b>	8 MB

## Software

### cMT x CODESYS Innovative Architecture



- Supports all cMT features
- Dedicated resources for two systems (HMI & PLC logics)
- High performance PLC running on a real-time OS (RTOS)
- Supports CANopen, MODBUS TCP/IP, and EtherCAT Remote IO modules

<b>PLC Runtime</b>	CODESYS Control for Embedded Systems
<b>Protocol</b>	MODBUS TCP/IP Master EtherCAT Master* EtherNet/IP Scanner* CANopen Manager*
<b>No. of MODBUS TCP/IP Slaves</b>	32 stations per master
<b>No. of CANopen Slaves</b>	126 stations per master
<b>No. of EtherCAT Slaves (*)</b>	65535
<b>No. of EtherNet/IP Slaves (*)</b>	32 stations
<b>Max. no. of TCP connections</b>	32
<b>CODESYS programming/communication channels</b>	12 (CODESYS runtime version 20220818 or later)
<b>CODESYS SoftMotion</b>	N/A (Weintek library contains motion control commands)
<b>CODESYS WebVisu/TargetVisu/HMI</b>	N/A

	(cMT HMI does provide more functionalities)
<b>Runtime login/monitor/download</b>	Utility Manager (Download only) Login to PLC via LAN1 Login to PLC via LAN2 (TCP only) (OS 20181211 or later)
<b>PLC Development tool</b>	CODESYS V3.5 SP10 Patch 3 or later
<b>HMI Development tool</b>	EasyBuilder Pro V6.00.02 or later
<b>HMI Driver</b>	Weintek Built-in CODESYS CODESYS V3(Ethernet)

### Supported HMI Model and OS Version

HMI Model	OS Version
cMT3108XH	20220606 or later
cMT2078X, cMT2108X2, cMT2128X, cMT2158X	All versions
cMT3072X2, cMT3072XH2, cMT3072XHT, cMT3072XP, cMT3092X, cMT3102X, cMT3108XP, cMT3152X, cMT3162X	All versions
cMT-FHDX-820, cMT-SVRX-820, cMT-SVRX-822	All versions

\*CODESYS firmware 20200401 or later supports EtherCAT Master.

\*CODESYS firmware 20230204 or later supports EtherNet/IP Scanner.

\*cMT2078X, cMT2108X2, cMT2128X, cMT2158X, cMT-SVRX, cMT-FHDX are not equipped with CAN bus port; therefore, CANopen Manager is not supported in CODESYS.

\*After CODESYS is activated, the LAN1 and CAN bus of the HMI will be controlled by CODESYS and cannot be used by the HMI.

\*CODESYS® is a trademark of CODESYS GmbH.

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