



An HMI x PLC Solution. Features include:

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

Hardware

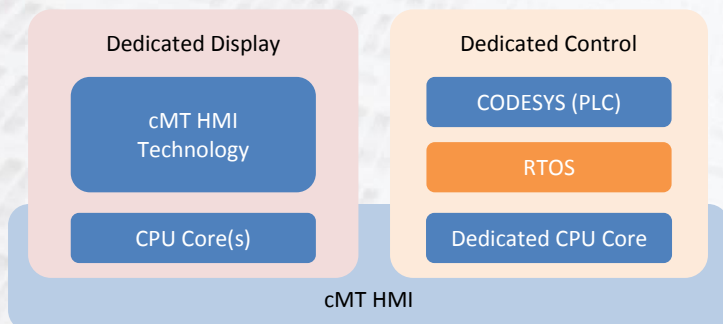
Ethernet interfaces	1 x 10/100/1000-BaseT (LAN1)*
CAN bus	1 x CAN bus*

Storage/Memory

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

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

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

Supported HMI Model and OS Version

HMI Model	OS Version
cMT3108XH	20220606 or later
cMT2058XH	20240604 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.

*cMT2058XH, 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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