



An HMI x PLC Solution. Features include:

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

### Hardware

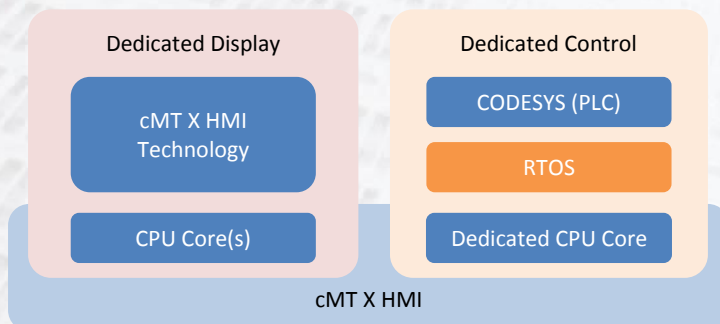
<b>Ethernet interfaces</b>	1 x 10/100/1000-BaseT (LAN1)* <sup>3</sup>
<b>CAN bus</b>	1 x CAN bus* <sup>3</sup>

### Storage/Memory

<b>Data, Input, Output, Memory, Code</b>	5 MB* <sup>8</sup>
<b>Retain area (Data persists after reboots)</b>	32 KB* <sup>8</sup> (Data is saved every 1 minute)
<b>Persistent area (Data persists after downloads)</b>	32 KB* <sup>8</sup> (Data is saved every 1 minute)
<b>File system</b>	12 MB* <sup>4</sup> * <sup>8</sup>

### Software

#### cMT X + CODESYS Innovative Architecture



- Supports all cMT X 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* <sup>5</sup> EtherNet/IP Scanner* <sup>6</sup> CANopen Manager* <sup>7</sup>
<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>	16* <sup>8</sup>
<b>CODESYS SoftMotion</b>	N/A (Weintek library contains motion control commands)
<b>CODESYS WebVisu/TargetVisu/HMI</b>	N/A

	(cMT X 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
cMT2058XH	20240604 or later

1. All cMT X series models, except those mentioned above, come with a default OS version supporting CODESYS.
2. All cMT X series models, except cMT1106X and cMT2166X, support CODESYS.
3. After CODESYS is activated, the LAN1 and CAN bus of the HMI will be controlled by CODESYS and cannot be used by the HMI.
4. External file downloads to CODESYS are limited to a total of 7MB of file system space.
5. CODESYS firmware 20200401 or later supports EtherCAT Master.
6. CODESYS firmware 20230204 or later supports EtherNet/IP Scanner.
7. Only models with a CAN bus support the CANopen Manager.
8. CODESYS runtime version 20240703.760 or later and package version 1.5.3.500 or later.
9. CODESYS® is a trademark of CODESYS GmbH.

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