

## Topics / Changes

- EOL Announcement for Modicon M258
- EOL Announcement for Modicon LMC058

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## Concerned products

Commercial Reference	Description
TM258LD42DT	M258 CTRL ETH/SL/42DIO
TM258LD42DT4L	M258 CTRL ETH/SL/2PCI/42DIO/4AI
TM258LF42DR	M258 CTRL ETH/CAN/SL/2PCI/42DIO RELAY
TM258LF42DT	M258 CTRL ETH/CAN/SL/42DIO
TM258LF42DT4L	M258 CTRL ETH/CAN/SL/2PCI/42DIO/4AI
TM258LF66DT4L	M258 CTRL ETH/CAN/SL/2PCI/66DIO/4AI
LMC058LF42	LMC058 Eth/2CAN/Motion/42DIO
LMC058LF424	LMC058 Eth/2CAN/Motion/2PCI/42DIO/4AI
TM5PCDPS	PCI Com Profibus DP Slave
TM5PCRS2	PCI Com Module SL RS232
TM5PCRS4	PCI Com Module SL RS485

## EOL Announcement for Modicon M258 and Modicon LMC058

This document is announcing the End of Life of Modicon M258 and Modicon LMC058 product ranges.

In order to optimize the EcoStruxure Machine controllers offer, **Modicon M258 and Modicon LMC058 is going to End of Life.**

Several reasons have motivated this End of Life:

- Obsolescence in main component was announced by supplier
- Offer in maturity stage of life cycle. Modicon M258 and Modicon LMC058 still in SoMachine platform, and EoL of this platform was already announced in December-2021.
- This Product Withdrawal Process is aligned with PWP of SoMachine platform.
- It's not feasible to upgrade to Machine Expert v2.x. Last upgrade was to be compatible with EcoStruxure Machine Expert v1.2
- Some important improvements in Cyber Security should be necessary to avoid vulnerabilities

Modicon M258 and Modicon LMC058 will be replaced by Modicon M262 IIoT-ready Logic and Motion controller.

Modicon M262 is already in active sale, and better adapted to market needs with more performance, more Ethernet connections, more scalability, IIOT and safety embedded.

It was launched beginning of 2019 and step by step Modicon M262 will be able to cover all functionalities of Modicon M258 and LMC058, and even more.

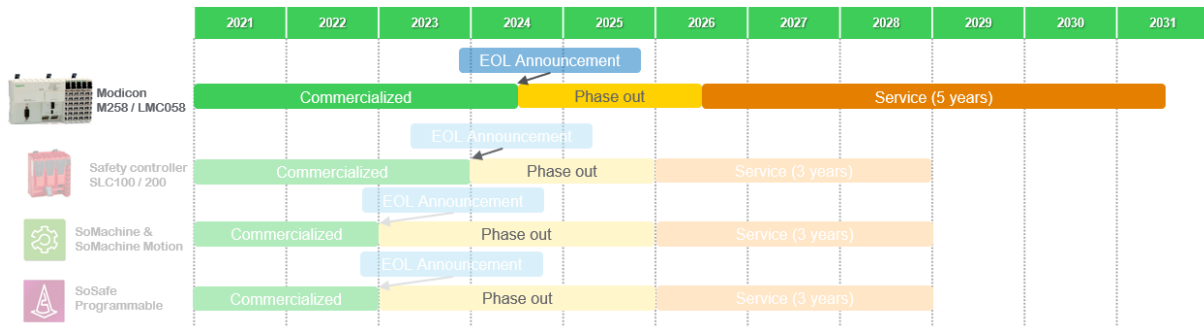
## Product Withdrawal Process (PWP) Timeline

Hereunder, the timeline is showing the main milestones, regarding the End-of-Life with the outcome of PWP process:

- ✓ **19th June 2024 – End of Life announcement.** Following the Product Info announcement, and 2 years before the End of Commercialization, providing this time to countries to inform customers and support them in the machine migrations.
- ✓ **30th June 2026 – End of Commercialization.** Commercial references are going to be blocked for sales and only will be allowed new orders for spare parts by MRO Services. Last Time Buy must be managed before this date.
- ✓ **30th June 2031 – End of Service.** The service period will be managed by eMRO:  
<http://emro.schneider-electric.com/EMRO/>

# Product infos

This Product Withdrawal Process has been aligned with **PWP of SoMachine software platform** (SoMachine, SoMachine Motion and SoSafe Programmable), and Safety Controllers SLC100 and SLC200.



## Next steps

Following this announcement:

- The commercial status in Global PIM for the concerned commercial references are going to be updated to “*End of commercialization announced*”. This status will be reflected in Global website.
- Price of the Modicon M258 and Modicon LMC058 are going to be increased during 2025 and 2026 and will be significantly increased for service.
- Beginning of 2025, some DC2s will start to migrate in MTO in order to avoid too many stocks and scrapping.
- There will be no new features or enhancements for the offer. The conditions to actions are the following:
  - ✓ Bug fixing raised via BOC only (coming from L3 support)
  - ✓ Infrastructure maintenance

## Migration

All new customers and projects must be directed to new offer Modicon M262.

Modicon M262 compile in same product range Logic and Motion controllers, offering a unified and comprehensive offer for customers, and providing scalability in all EcoStruxure Machine controllers portfolio.

The recommended commercial references to migrate **Modicon M258 Logic Controllers** are:

Commercial Reference	Description
TM262L01MESE8T	Logic ctrl M262 5ns/inst Optimized Eth.
TM262L10MESE8T	Logic ctrl M262 5ns/inst Eth.
TM262L20MESE8T	Logic ctrl M262 3ns/inst Eth.

And the recommended commercial references to migrate **Modicon LMC058 Motion Controllers** are:

Commercial Reference	Description
TM262M05MESS8T	Motion ctrl M262 4 Ax. Eth. S3, M2P
TM262M15MESS8T	Motion ctrl M262 5ns/inst 4 Ax. Eth. S3
TM262M25MESS8T	Motion ctrl M262 3ns/inst 8 Ax. Eth. S3
TM262M35MESS8T	Motion ctrl M262 3ns/inst 24 Ax. Eth. S3



**In general**, for the migration of Modicon M258 and Modicon LMC058 to Modicon M262, customer can keep main devices in hardware architecture:

- ✓ Same drives in Ethernet/IP, ModbusTCP or CAN-Open (using TMSCO1).
- ✓ Same IOs, Modicon TM3 and Modicon TM5 are fully compatible with Modicon M262.
- ✓ Same Safety with XPS modules but can be improved, using integrated safety in Modicon M262 (using TM5SLC300/400 Safety Controllers).

- ✓ Number of devices in Ethernet/IP or ModbusTCP can be improved up to 128 devices.
- ✓ Modicon M262 improve network capabilities with up to 5 Ethernet networks with segmentation, using encryption TLS and Cyber-Security end-to-end.
- ✓ And new open IT protocols ethernet-based, like OPC UA Client or Server, HTTPs, API, MQTTs, FTPs, SQL, POP3s, SMTPs, SNMP and SNTP.
- ✗ Actually, no possibility to integrate Modicon M262 in Profibus DP network, need to migrate communication with Modicon M262 from Profibus DP to Ethernet/IP, Modbus TCP or OPC UA.

**In case of Motion Controllers LMC058**, the migration can be more complicated, due to customers need to migrate Modicon LMC058 to Modicon M262M, and LXM32 and LXM28A in CAN-Motion to SERCOS III.

For LMC058 Motion Controllers, the recommended migration strategy is on two fronts:

✓ **For new machines:**

Migrate Motion controller and servo drives LXM32 and LXM28A in CAN-Motion to LXM32S and LXM28S in SERCOS III.

Emphasizing in much better performances (up to 8 synchronized axes in 1ms), better diagnostics, more scalability with more servo drives (up to 24 synchronized axis), integrate safety...

✓ **For installed base machines:**

Alternative to keep CANMotion axes drives (Migration in two steps)

- Giving the possibility to change only controller in first step (cheaper step)
- And servo drives in second step (More expensive step)

For this purpose, Machine Solutions prepared “M262 CANSyncMotion” Project Example, shared in MachineAutomationWiki:

[http://machineautomationwiki.schneider-electric.com/mediawiki/index.php/M262\\_CANSyncMotion\\_-\\_using\\_LXM32A/M/I\\_SD328\\_on\\_CANOpen\\_in\\_Synchronized\\_Motion](http://machineautomationwiki.schneider-electric.com/mediawiki/index.php/M262_CANSyncMotion_-_using_LXM32A/M/I_SD328_on_CANOpen_in_Synchronized_Motion)

**Take care using this alternative**, two migration projects required, one to migrate project to “M262CANSyncMotion” project example with CANMotion servo drives, and second one migrating to SERCOS servo drives to be used in Modicon M262.