

INFORMATION on M258 / LMC058 EVOLUTION



All M258 / LMC058 Firmware versions are compatible with SoMachine version. It depends on the device description version inside a project of SoMachine.

Please, refer to [Launch document SoMachine V3.1](#)

- Product / Firmware version COMPATIBILITY**

PRODUCT		FIRMWARE versions							
PV	RL	V2.0.2.32	V2.0.2.37	V2.0.2.38	V2.0.31.15	V2.0.31.21	V2.0.31.24	V2.0.31.27	V2.0.31.30
2	5	Yes							
3	6								
4	7								
5	8								
6	12								
06a	12								
9	15	NO	NO	NO	NO	Yes			
11	17								
12	18								
13	19								

• *Firmware EVOLUTION list*

Date	FW version	Description
November 2014	FW v2.0.31.30	<p>New Functions :</p> <ul style="list-style-type: none"> • Connection to Controller assistant for V4.1 • File system homogenization for Performance platforms (M241, M251, M258 & LMC058)
December 2013	FW v2.0.31.27	<p>New Functions :</p> <ul style="list-style-type: none"> • PEP0235183 : Classless configuration for Ethernet network. There is no SoMachine V3.1 evolution, so the user must set a Classless configuration ONLY in the file "machine.cfg" <p>Example of machine.cfg (notepad file) :</p>  <p>Machine.cfg</p> <p>Procedure to create and transfer the machine.cfg file :</p>  <p>Post configuration File Mgt.pdf</p> <p>Quality Improvement :</p> <ul style="list-style-type: none"> • the FW v2.0.31.24 has been deleted from PI@net due to a regression : after several power off, the PLC passes in STOP status.
July 2013	FW v2.0.31.24	<p>List of PCRs solved :</p> <ul style="list-style-type: none"> • PEP0089819R: Access to the M258 Web server not possible through a VPN • PEP0173702R: SSI doesn't work with cable greater than 10 meters <p>Quality Improvement :</p> <ul style="list-style-type: none"> • After Some Power Cut of Power Supply the PLC start in Led Status OFF and Led ExpertIO Red
August 2012	FW v2.0.31.21	<p>List of PCRs solved :</p> <ul style="list-style-type: none"> • PEP0067680R : clone functionality does not work if USB is formatted • PEP0045281R : System blocked at Power On with all LEDs ON
May 2012	FW v2.0.31.15 Official for SoMachine V3.1	<p>New Functions :</p> <ul style="list-style-type: none"> • Profibus DPV1 Slave : PCI communication module TM5PCDPS • 3 Serial Lines: one embedded and 2 PCI modules. The limitation is 2 SoMachine protocol max and 2 IoScanner max. • Strain Gauge module: TM5SEAISG • Logical axis • New implementation of NVLs (network variables) • DataFile Copy: The new function block allows copying data between application variables and filing system. It can be used to save drive parameters or to extend system retain variables • ExecScript: The new function block offers the USB script command through application. The application can: <ul style="list-style-type: none"> ✓ Copy files from or to USB key ✓ Delete files ✓ Reboot the PLC ✓ Change the node name ✓ ... • SetImmediateOutputs : new function block DM72FbSetImmediateOutputn <p>Quality Improvement :</p> <ul style="list-style-type: none"> • File system rework: The application file access is faster and offers access to USB key through device "/bd0". • Communication improvement: Now the communication and services are equally affected to remain the CPU availability. So the system doesn't reboot anymore if all services are used together.