

> Limits are made to be not reached...

The M258 Logic Controller is the new compact, performant and totally expandable PLC. The expandability is based on the concept «Flexible Machine Control» by Schneider Electric. The M258 Logic Controllers are destined to the Machine Builders (OEMs), who design Packaging Machines, Conveying Machines, Textile Machines, Wood-Working Machines, ... by offering them Performant Solutions in terms of Speed Control, High Speed Counting, Motion and Communication Networks. Because Schneider Electric is permanently focusing on Customer's requests and Machines Evolution needs, M258 Logic Controller has been designed in order to satisfy the OEM market requirements in terms of performance, simplicity of installation and Evolution.

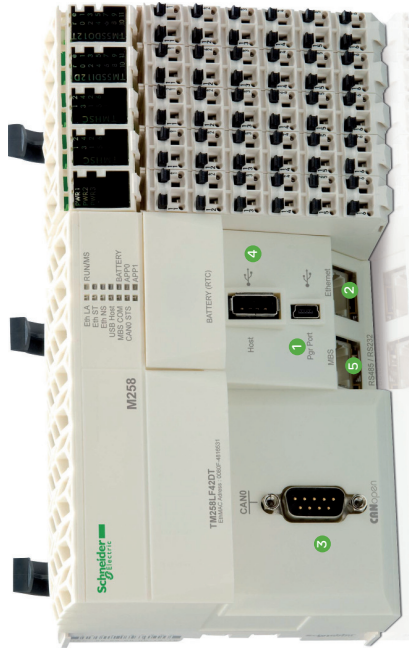
Core 2
User Logic

RAM
64MB

Flash
128MB

> Improve your machine performance

- > Basic Processing Time: 22 ns/Inst
- > Program Size: 128 KInstructions
- > RAM Size: 64 Mbytes
- > Flash Memory Size: 128 Mbytes
- > 8 High Speed Counters embedded (200kHz each)



1 Speed up machine design

- > SoMachine Software:
- > 6 Programming Languages (IEC 1131-3)
- > Function Blocks
- > Tested, Validated
- > Documented Architectures
- > Maximise Operation and Reduce Maintenance
- > Diagnosis through transparency and remote access

2 Ethernet Embedded: Performance and Openess

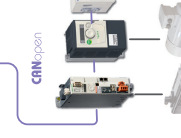
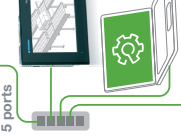
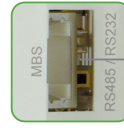
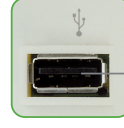
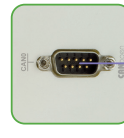
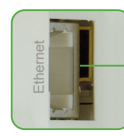
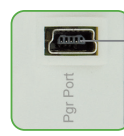
- > 10/100 Mbits/s Available Protocols:
- > Ethernet IP Device
- > Ethernet TCP Modbus
- > SoMachine Protocol
- > FTP Server Embedded
- > WebServer Embedded
- > PLCOpen Motion Libraries

4 Save time in Programming and Commissioning

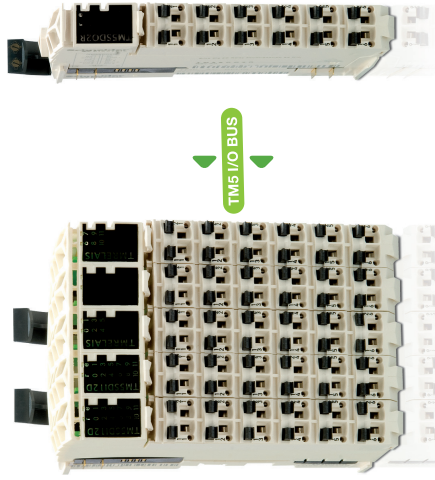
- > Thanks to our 2 Standard USB Ports:
- > Mini-USB B Port for SoMachine Programming Software
- > USB-A Port for Memory key for Program, Firmware, Data Files Transfer
- > Speed: 480Mbits/s

5 Openess through Modbus Serial Network

- > Openess thanks to 2 Standards Protocols:
- > Modbus Master/Slave
- > Character RS232 or RS485
- > Data Terminal Equipment (DTE: printer, bar code scanner...)
- > Cordest for Data Communication Equipment (DCE: modem, converter...)



- > **Compact IO Modules**
- From 2 to 12 I/O Digital, Analog, Expert
- > **Saving space**
- 12,5 mm larger for 12 I/O



TM5 I/O BUS

30%

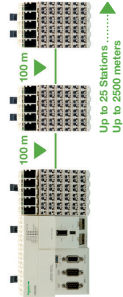
Saving time in assembly, wiring and commissioning

> Local flexibility

- The COSt of a «Compact» Controller**
- The FLEXIBILITY of a «Modular» Controller**
- > Compact IO Modules:
 - Low Cost
 - High Density
 - > Slice IO Modules:
 - Fine tuning
 - Hot-Swap
 - Modularity from 2 to 12 Channels
 - > Removable Terminal Blocks
 - > Spring Terminals

> Remote flexibility

- TM5 I/O BUS because performance must be everywhere**
- > Baudrate: 12 MB/s
 - > Modules Max: 250 Modules
 - > Distance Max. entre 2 stations: 100 m
 - > Minimum cycle time: 100 µs
 - > Remote I/Os synchronized with local I/Os



> Ethernet, CanOpen

For Simplicity, efficiency, integration

