



Modicon M310

High-performance EtherCAT motion controller



Modicon

Discover [Modicon](#)

Edge control for industrial internet of things (IoT)

Modicon IIoT-native edge controllers manage complex interfaces across assets and devices or directly into the cloud, with embedded functional safety and cybersecurity. **Modicon** provides performance and scalability for a wide range of industrial applications up to high-performance multi-axis machines and high-available redundant processes.

Explore our offer

- [Modicon HVAC Controllers](#)
- [Modicon PLC](#)
- [Modicon Motion Controllers](#)
- [Modicon PAC](#)
- [Modicon Edge I/O](#)
- [Modicon I/O](#)
- [Modicon Networking](#)
- [Modicon Power Supply](#)
- [Modicon Wiring](#)
- [Modicon Safety](#)

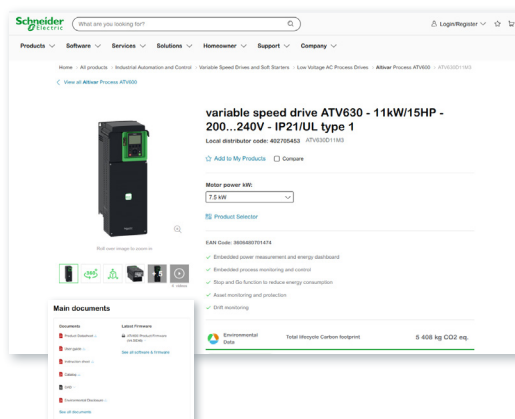


Quick access to product information

Get technical information about your product

Each commercial reference presented in a catalog contains a hyperlink. Click on it to obtain the technical information of the product:

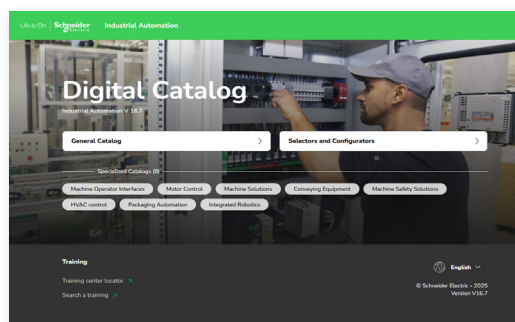
- Characteristics, Dimensions and drawings, Mounting and clearance, Connections and schemas, Performance curves
- Instruction sheets, User guides, Product certifications, End of life manuals, etc



View the Automation Catalog libraries

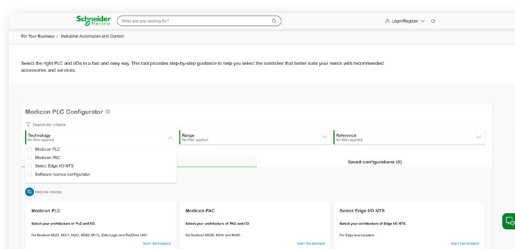
On [Digi-Cat Online](#) you can access the Industrial Automation and Control catalogs, in both English and French

- Up-to-date catalogs
- Optimized search by commercial references
- Integrated product selectors and configurators



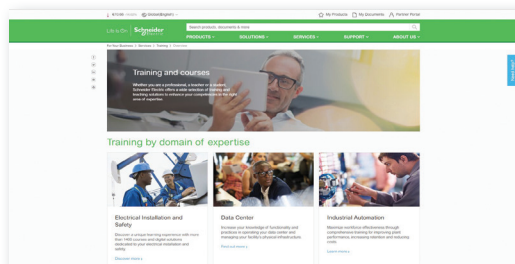
Direct access to Configurators Home pages

- Configure your [motor control and protection solution](#)
- Configure your [control system with a PLC controller and I/O modules](#)
- Configure your [motion control and robotics system](#)



Select your training

- Find the right [Training](#) for your needs on our Global website
- Locate the [Training center](#) with the selector tool



General content

Modicon M310

High-performance EtherCAT motion controller

■ Presentation	
□ EtherCAT network.....	page 2
□ Applications	page 2
□ Certifications and Standards.....	page 2
■ Functions	
□ M310M motion controller (Book format)	page 2
□ M310 motion controller (Brick format)	page 2
■ Embedded communication	
□ M310M motion controller (Book format)	page 3
□ M310 motion controller (Brick format)	page 3
■ I/O expansion with Schneider I/O system portfolio	
□ Local and remote I/O.....	page 4
□ Distributed I/O	page 4
■ Engineering software	
□ EcoStruxure Motion Expert.....	page 5
■ Motion control solution	page 6
■ Motion-centric machine application development	page 7
■ Selection guide	page 8 and 9
■ Description	
□ M310M motion controller (Book format)	page 10
□ M310 motion controller (Brick format)	page 10
■ References	
□ M310M motion controller (Book format)	page 11
□ Cartridges (Option)	page 11
□ M310 motion controller (Brick format)	page 11
□ Connection cables	page 11
■ Product reference index	page 12



M310M
(Book format)

M310
(Brick format)

Modicon M310 motion controllers: up to 64 axes over the EtherCAT network

The Modicon M310 series consists of multi-axis motion controllers engineered for fast and accurate control over EtherCAT.

They can synchronize up to 64 axes using EtherCAT and come in two formats:

- M310M (Book format): to control up to 16 axes.
- M310 (Brick format): to control up to 64 axes.
- Both controller types are powered with a 24 Vdc supply.

EtherCAT network

EtherCAT (Ethernet for Control Automation Technology) is a real-time Ethernet network protocol designed for industrial automation. It allows for fast and efficient data exchange between the controller and the connected devices.

- The motion controller sends and receives data packets to and from each axis in the network. These packets contain information about the position, speed, and other parameters of each axis.
- The controller uses this data to synchronize the movements of all connected axes. It ensures that each axis follows the desired motion profile accurately and in real-time.
- The system continuously monitors the position and status of each axis, making adjustments as needed to maintain synchronization. This feedback loop helps achieve precise and coordinated motion control.

Applications

Modicon M310 motion controllers are the ideal solution for industrial control processes in many fields of application, including the following:

- Electrical and Electronic: Die Cutting, Winding, Testing, Glue Dispenser, etc.
- Packaging: Filling, Capping, Blister, Pillow packing, etc.
- Textile: Printing, Spinning, Warp knitting, etc.

Certifications and Standards

- The M310M motion controller (book format) meets the requirements of the CE Directives and cULus, and conforms to the IEC 61131-2 standard.
- The M310 motion controller (brick format) meets the requirements of the CE Directives and conforms to the IEC 61131-2 standard.

Functions

M310M motion controller (Book format)

Motion Functions

- PP/PV/PT/Jog/Homing, CAM/Gear
- CST, CSV, CSP
- Based on PLCopen Motion Control Library Part I/I I

Logic Functions

- PID Control
- 200 kHz High Speed Counting (HSC)
- Frequency Meter
- Period Meter
- 200 kHz Pulse Width Modulation (PWM)
- 200 kHz Pulse Train Output (PTO)
- Frequency Generator (FG)

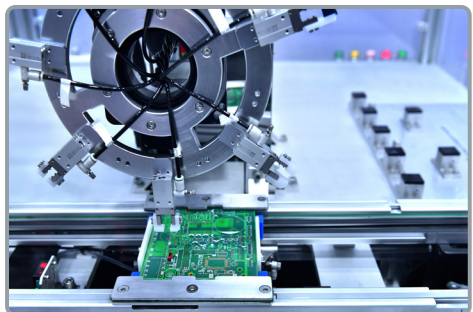
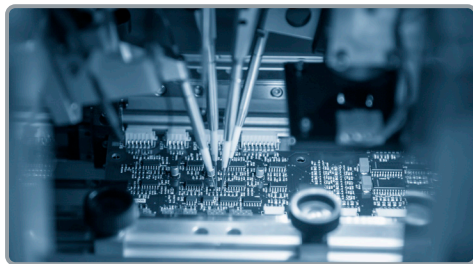
M310 motion controller (Brick format)

Motion Functions

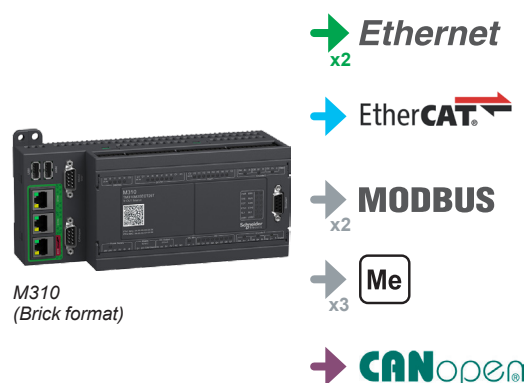
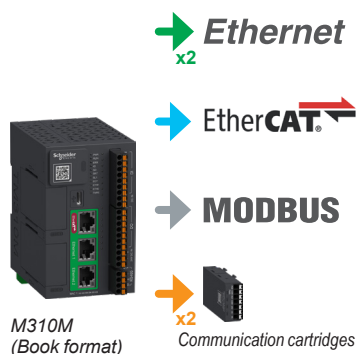
- PP/PV/PT/Jog/Homing, CAM/Gear
- CST, CSV, CSP
- Based on PLCopen Motion Control Library Part I/I I

Logic Functions

- PID Control
- 200 kHz High Speed Counting (HSC)
- Incremental encoder input



E&E applications



Embedded communication

M310M motion controller (Book format)

- Two Ethernet ports (2x RJ45) with built-in switch, switch mode/independent IP mode:
 - Data rate: 10 Mbps/100 Mbps Auto-negotiation,
 - Modbus TCP Client: support up to 64 Modbus TCP Server devices
 - Modbus TCP Server
 - EtherNet/IP Scanner: support up to 64 EtherNet/IP devices
 - EtherNet/IP Adapter
 - OPC UA Server
- One EtherCAT port (1x RJ45 connector):
 - Data rate: 100 Mbps
 - Supports up to 16 synchronized devices or 127 EtherCAT slaves
 - Supports PDO read and write
- One serial line port:
 - 1x RS-485, isolated (removable terminal block)
 - Data rate: 9600 bps...115200 bps
 - Modbus RTU Master/Slave, Modbus ASCII Master
 - Master support up to 31 devices
- The controller includes two integrated slots for optional cartridges, supporting:
 - Two isolated RS-485 serial lines
 - One CANopen Master interface

M310 motion controller (Brick format)

- Two Ethernet ports (2x independent RJ45 connectors):
 - Data rate: 10 Mbps...1000 Mbps
 - Modbus TCP Client: support up to 32 Modbus TCP server devices
 - Modbus TCP Server
 - EtherNet/IP Scanner: support up to 64 EtherNet/IP devices
 - EtherNet/IP Adapter
 - OPC UA: Server/Client
- One EtherCAT port (1x RJ45 connector):
 - Data rate: 100 Mbps
 - Supports up to 64 synchronized devices or 256 EtherCAT slaves
 - Supports PDO read and write
- Two serial line ports:
 - 1x RS-485, isolated (removable screw terminal block)
 - 1x RS-232 (Sub-D9 contact male)
 - Data rate: 9600 bps...115200 bps
 - Modbus RTU Master/Slave, Modbus ASCII Master
 - RS-485 Master support up to 32 devices
- Three Encoder ports:
 - One Master encoder (Sub-D9 contact female connector) for incremental encoder, Max. frequency 4 MHz, 5 V power input
 - Two incremental encoders (2 terminal blocks): 500 kHz @ 5 V and 200 kHz @ 24 V
- One CANopen port (Sub-D9 contact male connector):
 - CANopen Master support up to 63 devices

Available Ethernet services on Modicon M310 motion controllers

Communication type	Protocol	Service (1)	
		M310M motion controller (Book format)	M310 motion controller (Brick format)
IP	OPC UA	-	Client
		Server	Server
		TLS 1.2 and 1.3 (Encryption)	TLS 1.2 and 1.3 (Encryption)
	EtherNet/IP	Adapter	Adapter
		Scanner	Scanner
	Modbus TCP	Client	Client
		Server	Server
		NVL	NVL
	FTP	Server	Server
	Motion Expert protocol	Symbol configuration	Symbol configuration
Serial	CANopen	(Optional)	Master
	Modbus SL (RTU)	Master	Master
		Slave	Slave
RS-485 or RS-232	Modbus ASCII	Master	Master

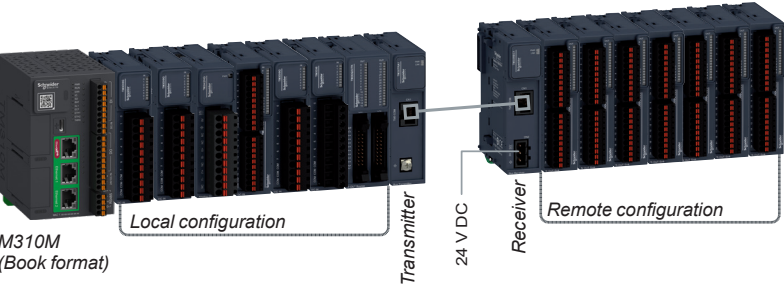
(1) OPC UA: Open Platform Communications Unified Architecture; TLS: Transport Layer Security; NVL: Network Variable List; FTP: File Transfer Protocol; RTU: Remote Terminal Unit.

NOTE: Protocols and services may not be available at the same time, Please check with the User Guide or consult Schneider Electric support.

I/O expansion with Schneider I/O system portfolio

Local and remote I/O

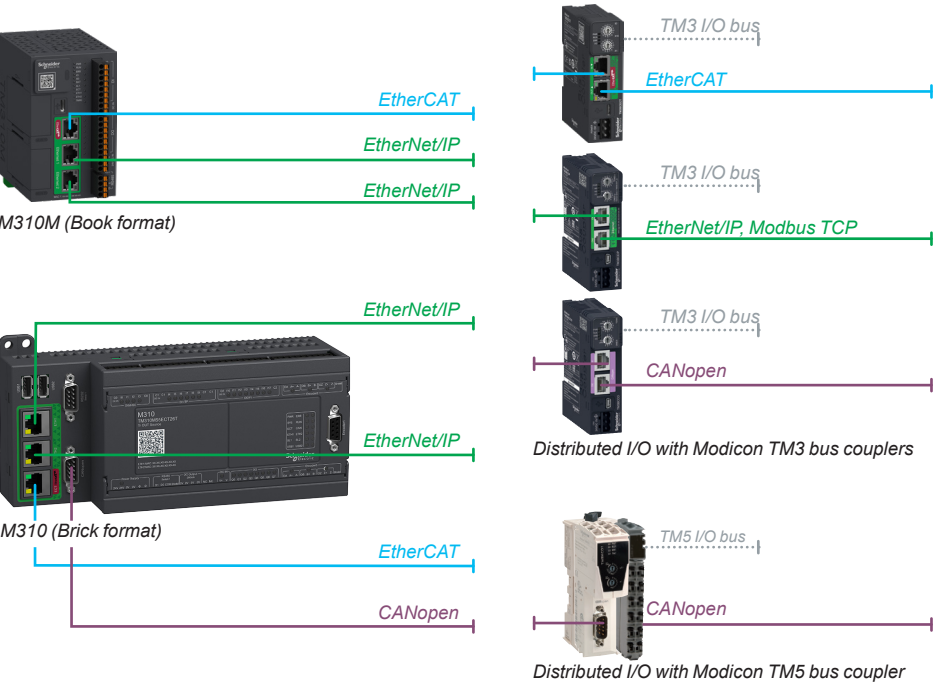
■ Modicon M310M motion controllers (Book format) can be combined with Modicon TM3 I/O expansion systems for local and remote I/O.



- Local configuration (Digital I/O modules, Analog I/O modules): the maximum configuration is 7x Modicon TM3 modules, directly assembled to the Modicon M310M motion controller (Book format). The Modicon TM3 transmitter module ensures the connection to the remote I/O.
- Remote configuration (Digital I/O modules, Analog I/O modules): the maximum configuration is 7x Modicon TM3 modules associated to a Modicon TM3 receiver module.
- Transmitter and Receiver modules are physically connected by a bus expansion cable, reference type ACTPC6FULS●●WE.
- EcoStruxure Motion Expert software is used to configure the local and remote I/O.

Distributed I/O

- Modicon M310 motion controllers can be combined with Modicon TM3 and Modicon TM5 I/O expansion systems, for distributing I/O over network (EtherNet/IP) and communication fieldbuses (CANopen and EtherCAT).
- I/O systems adjusted to the Machine needs:
 - Optimized with Modicon TM3 for just enough architecture
 - Performance with Modicon TM5 with high resolution, hot swap capability, etc.



Bus coupler for distributed I/O	I/O system	
	Modicon TM3: Optimized I/O expansion modules	Modicon TM5: High-performance and safe IP20 modular I/O system
over EtherNet/IP network		
over CANopen bus		
over EtherCAT bus		
	Compatible with Modicon M310	Not compatible



EcoStruxure Motion Expert software

Engineering software

Modicon M310 motion controllers (Book and Brick formats) can be configured with EcoStruxure Motion Expert, included in EcoStruxure Machine Expert.

Concepts and Features

■ EcoStruxure Motion Expert is a professional, powerful, and open OEM software solution for developing, configuring, and debugging the entire machine in a single environment, including logic programs, motor control, and associated network automation functions.

■ EcoStruxure Motion Expert enables programming and debugging of M310 EtherCAT motion controllers.

Main Components

■ Programming and Debugging

■ It supports all IEC 61131-3 programming languages, adapts to the programming habits and needs of different users, and features a wide range of built-in functions and function block libraries. They can be called simply without compiling a large number of complex programs. Debugging tools such as simulation, single-step execution, breakpoint execution, and tracing are available for debugging.

■ Diagnostics: The «Online» menu offers numerous online diagnostic methods. Users can monitor project status online and easily resolve errors or defects.

Key Features

■ Support for all programming languages defined by IEC 61131-3

- IL (Instruction List)
- LD (Ladder Diagram)
- FBD (Function Block Diagram)
- SFC (Sequential Function Chart)
- ST (Structured Text)
- CFC (Continuous Function Chart)

■ Support for a wide variety of controller services

- Multitasking
- Functions and Function Blocks
- Data Unit Types
- Online Download
- Watch Window
- Graphical Variable Monitoring
- Breakpoints, Single Step Execution
- Simulation

■ Support for HMI Services

- Graphics Library, including approximately 4,000 2D/3D objects
- Simple drawing objects, such as points and lines
- Preconfigured objects, such as buttons and bar graphs
- Recipes
- Table Actions
- Alarm
- Printing
- Multimedia file support: wav, png, jpg
- Variable trend graph

■ Motion services support

- Configuration and debugging of embedded peripheral components
- CAM profile editor
- Application example tracking
- Motion and transmission function block library
- Visual interface

■ Global services support

- User permission assignment
- Project document printing
- Project comparison
- Variable sharing based on a publish/subscribe mechanism
- Library version management

■ Integrated fieldbus configurator

- Control network: Modbus serial/Modbus TCP
- Fieldbus: EtherCAT/CANopen/EtherNet/IP

■ Expert and solution library

- PLCopen function blocks for motion control: MC_Power, MC_MoveAbsolute, etc.

Modicon M310

High-performance EtherCAT motion controller

Motion control solution

Modicon M310 is a part of a complete motion control solution, in Ecostruxure Motion software solutions.

Apps, Analytics & Services



[AVEVA™ Insight](#)

Make decisions with complete visibility of your operations and assets in the cloud



[EcoStruxure Secure Connect Advisor](#)

Secure remote access solution



[EcoStruxure Augmented Operator Advisor](#)

Augmented reality for instant diagnosis and contactless maintenance

Edge control



[Modicon M310](#)

EtherCAT Motion controllers



[EcoStruxure Motion Expert](#)

Software for developing, configuring, and commissioning the entire machine

Connected products



[Lexium 18](#)

Servo drive & motors



[Altivar Machine ATV340](#)

Variable speed drive



[Lexium 28](#)

Servo drive & motors



[Modicon TM3](#)

EtherCAT Bus coupler



[Modicon TM3](#)

CANopen Bus coupler



[Modicon TM3](#)

Ethernet Bus coupler



[Modicon TM5](#)

CANopen bus coupler



[Lexium SCARA](#)

Scara robot



[Lexium PAS. PAD](#)

Cartesian robots



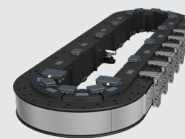
[Lexium MAX](#)

Cartesian robots



[Lexium T, P](#)

Delta robot



[Lexium MC12](#)

Modular multi carrier system



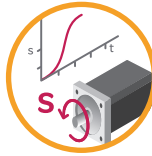
[Lexium Cobot](#)

Collaborative robot

Related product offers

	Catalog title	Consult catalog ref.
Motion control	Lexium 18 Servo drives and BCH18 motors	DIA7ED2230401EN
	Lexium 28 servo drives and BCH2 servo motors	DIA7ED2150401EN
Distributed I/O	Modicon TM3, I/O expansion modules	DIA3ED2140109EN
	Modicon TM5, High-Performance and Safe IP20 Modular I/O System	DIA3ED2131204EN
Machine drives	Altivar Machine ATV340: variable speed drives	DIA2ED2160701EN
Robotics	Lexium SCARA: ultra-compact high-speed and precise industrial robots catalog	DIA7ED2240302EN
	Lexium Cartesian robots: Portal axes, Linear tables, Cantilever axes, Multi axes systems	DIA7ED2210101EN
	Lexium T, P: delta robots for pick & place solutions	DIA3ED2160307EN
	Lexium MC12: multi carrier system	DIA7ED2210701EN
	Lexium Cobot: collaborative robot	DIA7ED2220801EN
Power supply	Modicon Power supply for industrial use, rail mounting	DIA3ED2170401EN

Motion-centric machine application development



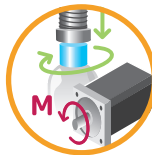
Positioning

- > Based on PLC Open standard



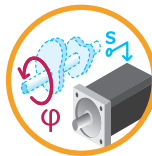
Velocity control

- > Move axis with velocity control instead of position control



Torque control

- > Move axis with torque control instead of position control



Cam motion

- > Graphical cam diagram editor and direct access to cam segment data through data structures
- > An axis in cam mode is synchronized to a position source (as a function of master's position), like axis or encoders
- > Cam segment types:
 - Straight
 - Standard 5th degree polynomial



PLCopen MC

Function blocks conforming to PLCopen MC are available:

- | | |
|-----------------------|-----------------------------|
| > Multi-axis | > Single axis |
| - MC_CamIn | - MC_Power |
| - MC_CamOut | - MC_Reset |
| - MC_GearIn | - MC_Home |
| - MC_GearOut | - MC_SetPosition |
| - MC_PhasingAbsolute | - MC_MoveAbsolute |
| - MC_PhasingRelative | - MC_MoveAdditive |
| - MC_DigitalCamSwitch | - MC_MoveRelative |
| - MC_CamTableSelect | - MC_MoveVelocity |
| - MC_GearInPos | - MC_Stop |
| | - MC_Halt |
| | - MC_TouchProbe |
| | - MC_ReadAxisInfo |
| | - MC_ReadMotionState |
| | - MC_ReadParameter |
| | - MC_ReadStatus |
| | - MC_ReadActualVelocity |
| | - MC_ReadActualTorque |
| | - MC_ReadAxisError |
| | - MC_ReadActualPosition |
| | - MC_WriteParameter |
| | - MC_AbortTrigger |
| | - MC_TorqueControl |
| | - MC_MoveContinuousAbsolute |
| | - MC_MoveContinuousRelative |
| | - MC_PositionProfile |
| | - MC_VelocityProfile |
| | - MC_AccelerationProfile |

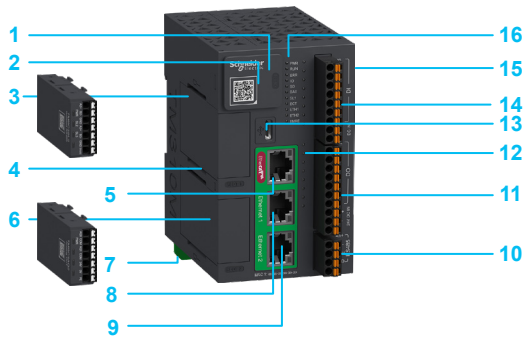
Modicon M310
High-performance EtherCAT motion controller

Type		M310M motion controller (Book format)				M310 motion controller (Brick format)		
								
EtherCAT master	Max. Synchronized axes	8 axes	8 axes	16 axes	16 axes	16 axes	32 axes	64 axes
	Synchronization time	1 ms	1 ms	2 ms	2 ms	0.25 ms	0.5 ms	1 ms
	EtherCAT slave	Support up to 127 EtherCAT slaves (including synchronized axes)				Support up to 256 EtherCAT slaves (including synchronized axes)		
	PDO (Process data object)	Input: 1,486 bytes/Output: 1,486 bytes				Input: 5,696 bytes/Output: 5,696 bytes		
Embedded I/O	Inputs	8x Digital inputs: - High Speed Counters (HSC), 200 kHz (8x single-phase/4x dual-phase)				18x Digital inputs: - 4x single-phase High Speed Counters (HSC), 200 kHz - 6x touch probes - 8x fast digital inputs		
	Inputs logic	Sink/Source				Sink/Source		
	Outputs	8x Transistor High-speed outputs: - Pulse Width Modulation (PWM): 4x channels (200 kHz) - Pulse Train Output (PTO): 4x channels (200 kHz) - Frequency Generator (FG): 4x channels (200 kHz)				8x Transistor fast outputs		
	Outputs logic	Source	Sink	Source	Sink	Source	Source	Source
	I/O Connection	Removable spring terminal blocks at intervals of 3.81 mm (0.15 in.) (Provided with the controller)				Removable terminal blocks with pitch size of 5.08 mm (0.2 in) (Provided with the controller)		
Encoder axis		2 channels encoder axis (by 8x digital inputs), up to 200 KHz				1 Master encoder (Sub-D9 contact female connector), incremental,4 MHz @ 5 Vdc 2 Incremental encoders (removable screw terminal blocks), 500 kHz @ 5 V and 200 kHz @ 24 Vdc		
CPU		ARM, 2-cores, 1.7 GHz				X86, 4-cores, 2.0 GHz		
Execution speed (Duration for 1000 instructions)		3.6 µs (Assignment of LREAL)				3.3 µs (Assignment of LREAL)		
User program storage		16 Mbytes				128 Mbytes		
Data storage		20 Mbytes				128 Mbytes		
Retain Data		512 Kbytes				4 Mbytes		
Embedded communication	Ethernet	2x RJ45 10/100 Mbps (switch mode/independent IP mode)				2x RJ45 10/100 Mbps, Self Adaptation		
	Serial link	1x RS-485 (isolated spring terminal block)				1x RS-232 (Sub-D9 connector) 1x RS-485 (isolated screw terminal block)		
	EtherCAT	1x RJ45 connector, 100 Mbps				1x RJ45 connector, 100 Mbps		
	CANopen	(Optional)				1x Sub-D9 connector, 1 Mbps		
I/O expansion	Local and remote I/O	7x modules Modicon TM3 + 7x modules Modicon TM3 (associated Transmitter and Receiver modules)				-		
	Distributed I/O	EtherCAT Bus coupler Modicon TM3 EtherNet/IP Bus coupler Modicon TM3 Modbus Bus Coupler Modicon TM3				EtherCAT Bus coupler Modicon TM3 EtherNet/IP Bus coupler Modicon TM3 Modbus Bus Coupler Modicon TM3 CANopen Bus Coupler Modicon TM3/Modicon TM5		
	Optional cartridges	2x cartridge slots (Serial line, CANopen Master)				-		
Other interfaces	USB	USB 2.0 Type-C				USB 2.0 Type-A		
	SD card	Micro SD Card, FAT32, 32 GB				-		
Real Time Clock		± 60 s/month @ 25°C (need battery)				±30 s/month @ 25°C		
Power supply voltage		24 Vdc (20.4... 28.8 Vdc), support short circuit and reverse connection protection						
Environmental	Ambient operating temperature	Horizontal installation: -20...+55°C (-4...+131°F) Vertical installation: -20...+45°C (-4...+113°F)				Horizontal installation: 0...+55°C (32...+131°F) Vertical installation: 0...+45°C (32...+113°F)		
	Humidity	5%...95%, non-condensing				5%... 90%, non-condensing		
Format	Dimensions (L x W x H)	60 x 100 x 85 mm (2.36 x 3.94 x 3.35 in.)				210 x 114 x 70 mm (8.27 x 4.49 x 2.75 in.)		
	Mounting	With Clip-on lock for 35 mm (1.38 in.) DIN rail				With Clip-on lock for 35 mm (1.38 in.) DIN rail Panel mounting		
Configuration Software		EcoStruxure Motion Expert (1)						
Reference		TM310MM25ECT16T	TM310MM25ECT16U	TM310MM35ECT16T	TM310MM35ECT16U	TM310M35ECT26T	TM310M45ECT26T	TM310M55ECT26T

(1) EcoStruxure Motion Expert is part of EcoStruxure Machine Expert Software.

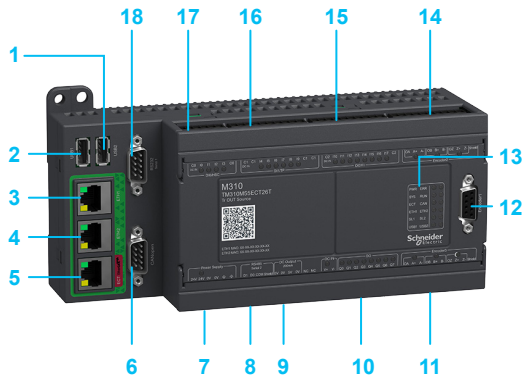
Description

M310M motion controller (Book format) (1)



M310M (Book format)

(1) Connectors are provided with the controller.



M310 (Brick format)

M310 motion controller (Brick format) (1)

(1) Connectors are provided with the controller.



TM310MM25ECT16T
TM310MM35ECT16T



TM310MM25ECT16U
TM310MM35ECT16U



TM310M35ECT26T



TM310M45ECT26T



TM310M55ECT26T



TMRC3SL2



TMRC3CAN

References

I/O	Max. no. of synchronized axes	Embedded communication networks				Reference	Weight kg/ lb
		EtherCAT	Ethernet	Serial link	CANopen		
M310M motion controller (Book format) (1) 24 V  power supply							
8x High-speed inputs 8x Transistor High-speed outputs	8 axes	1	2	1	–	TM310MM25ECT16T	0.247/ 0.545
	16 axes	1	2	1	–	TM310MM35ECT16T	0.247/ 0.545
	8 axes	1	2	1	–	TM310MM25ECT16U	0.247/ 0.545
	16 axes	1	2	1	–	TM310MM35ECT16U	0.247/ 0.545
M310 motion controller (Brick format) (1) 24 V  power supply							
18x digital inputs 8x Transistor fast outputs 3x encoder inputs	16 axes	1	2	2	1	TM310M35ECT26T	0.890/ 1.96
	32 axes	1	2	2	1	TM310M45ECT26T	0.890/ 1.96
	64 axes	1	2	2	1	TM310M55ECT26T	0.890/ 1.96

Optional cartridges for Book format controllers

Designation	Description	Reference	Weight kg/ lb
Communication cartridges	2x Serial lines (isolated)	TMRC3SL2	0.019/ 0.042
	1x CANopen Master	TMRC3CAN	0.017/ 0.037

Connection cables

Designation	Description		Length		Reference
			m	ft.	
Patch cords	- To link Modicon TM3 transmitter and receiver modules - Equipped with one RJ45 connector at each end 4 pairs Cat 6 F/UTP - Compliant to EN 50173, IEC 61935-2, ISO/IEC 11081, TIA/EIA-568-C.2 - Copper cable diameter: AWG 28 - Transmission frequency: 250 MHz	White	0.5	1.64	ACTPC6FULS05WE
			1	3.28	ACTPC6FULS10WE
			2	6.56	ACTPC6FULS20WE
			3	9.84	ACTPC6FULS30WE
			5	16.4	ACTPC6FULS50WE
		Blue	0.5	1.64	ACTPC6FULS05BU
			1	3.28	ACTPC6FULS10BU
			2	6.56	ACTPC6FULS20BU
			3	9.84	ACTPC6FULS30BU
			5	16.4	ACTPC6FULS50BU
		Green	0.5	1.64	ACTPC6FULS05GR
			1	3.28	ACTPC6FULS10GR
			2	6.56	ACTPC6FULS20GR
			3	9.84	ACTPC6FULS30GR
			5	16.4	ACTPC6FULS50GR
		Red	0.5	1.64	ACTPC6FULS05RD
			1	3.28	ACTPC6FULS10RD
			2	6.56	ACTPC6FULS20RD
			3	9.84	ACTPC6FULS30RD
			5	16.4	ACTPC6FULS50RD
		Yellow	0.5	1.64	ACTPC6FULS05YL
			1	3.28	ACTPC6FULS10YL
			2	6.56	ACTPC6FULS20YL
			3	9.84	ACTPC6FULS30YL
			5	16.4	ACTPC6FULS50YL

(1) Modicon M310 controllers are supplied with removable terminal blocks for the I/Os and power supply connections.

A	
ACTPC6FULS05BU	11
ACTPC6FULS05GR	11
ACTPC6FULS05RD	11
ACTPC6FULS05WE	11
ACTPC6FULS05YL	11
ACTPC6FULS10BU	11
ACTPC6FULS10GR	11
ACTPC6FULS10RD	11
ACTPC6FULS10WE	11
ACTPC6FULS10YL	11
ACTPC6FULS20BU	11
ACTPC6FULS20GR	11
ACTPC6FULS20RD	11
ACTPC6FULS20WE	11
ACTPC6FULS20YL	11
ACTPC6FULS30BU	11
ACTPC6FULS30GR	11
ACTPC6FULS30RD	11
ACTPC6FULS30WE	11
ACTPC6FULS30YL	11
ACTPC6FULS50BU	11
ACTPC6FULS50GR	11
ACTPC6FULS50RD	11
ACTPC6FULS50WE	11
ACTPC6FULS50YL	11
T	
TM310M35ECT26T	11
TM310M45ECT26T	11
TM310M55ECT26T	11
TM310MM25ECT16T	9
	11
TM310MM25ECT16U	9
	11
TM310MM35ECT16T	9
	11
TM310MM35ECT16U	9
	11
TMRC3CAN	11
TMRC3SL2	11



Connect to other users and experts

Welcome to Schneider Electric community

Schneider Electric support forum for Motion Control solutions from design, implementation to troubleshooting and more, including:

- Multicarrier systems
- Robotics
- Integrated Drives
- Servo Drives and Motors
- Stepper Drives and Motors
- Motion Controllers
- Programmable Logic Controllers
- Safety PLC Controllers
- Input/Output (I/O) modules
- Engineering software

[Access the community forum](#)

Schneider
Electric™

mySchneider, your personalized digital experience

Access an all-in-one customized online experience and benefit from tailored business services, resources, and tools to efficiently support your business operations.

- **Efficiency:** In just a few clicks, find all the information and support you need to get the job done.
- **Simplicity:** Use a single login to access all business services, in one place, available 24/7. You no longer need to log in to multiple platforms.
- **Personalization:** Benefit from content, tools, and business services tailored to your activity, and customize your landing page based on your preferences.

Watch the How-to Videos



Order management

- > [Select Products and Add to Cart](#)
- > [Check for Products' Price and Availability](#)
- > [Order Products with Generic Commercial References](#)



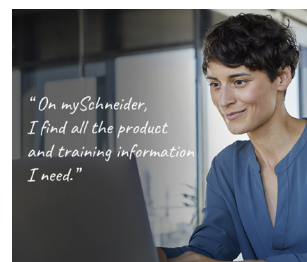
Product information

- > [Find a Product Data Sheet and Related Documents](#)
- > [Select Products and Add to Cart](#)
- > [Stay Up to Date on the Status of My Products](#)



Support

- > [Get Quicker Answers Thanks to Online Support](#)



Training

- > [Access Trainings Dedicated to My Activity](#)

[Create your account](#)

Schneider
Electric™

Legal information

The information provided in this Catalog contains description of Schneider Electric products, solutions and services ("Offer") with technical specifications and technical characteristics of the performance of the corresponding Offer.

The content of this document is subject to revision at any time without notice due to continued progress in methodology, design and manufacturing.

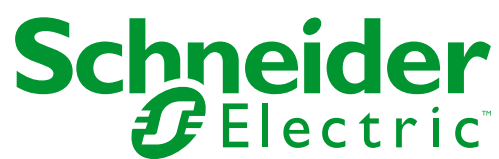
To the extent permitted by applicable law, no responsibility or liability is assumed by Schneider Electric and its subsidiaries for any type of damages arising out of or in connection with (i) informational content of this Catalog not conforming with or exceeding the technical specifications, or (ii) any error contained in this Catalog, or (iii) any use, decision, act or omission made or taken on basis of or in reliance on any information contained or referred to in this Catalog.

SCHNEIDER ELECTRIC MAKES NO WARRANTY OR REPRESENTATION OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO WHETHER THIS CATALOG OR ANY INFORMATION CONTAINED THEREIN SUCH AS PRODUCTS AND SERVICES WILL MEET REQUIREMENTS, EXPECTATIONS OR PURPOSE OF ANY PERSON MAKING USE THEREOF.

Schneider Electric brand and any trademarks of Schneider Electric and its subsidiaries referred to in this Catalog are property of Schneider Electric or its subsidiaries. All other brands are trademarks of their respective owners.

This Catalog and its content are protected under applicable copyright laws and provided for informative use only. No part of this Catalog may be reproduced or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), for any purpose, without the prior written permission of Schneider Electric.

Copyright, intellectual, and all other proprietary rights in the content of this Catalog (including but not limited to software, audio, video, text, and photographs) rests with Schneider Electric or its licensors. All rights in such content not expressly granted herein are reserved. No rights of any kind are licensed or assigned or shall otherwise pass to persons accessing this information.



Learn more about our products at
www.se.com

Design: Schneider Electric
Photos: Schneider Electric

Schneider Electric Industries SAS

Head Office
1884 Boulevard de la Défense
92000 Nanterre
France

DIA3ED2240303EN
August 2026 - V4.0