

CONTROL TECHNIQUES



Mce200

MOTION CONTROLLER AND PLC IN ONE
EMBEDDED CONTROLLER, INDUSTRIAL CONTROL

NEW

DRIVE OBSESSED

MCe200

MACHINE CONTROLLER WITH HIGH PERFORMANCE MOTION FEATURES

Benefits

Fast machine development due to integration of logic, motion and visualisation

The Control Techniques solution provides an environment for programming controllers in all key programming languages with seamless support for the generation of visualisations.

Ease of use open standards

The use of standard CODESYS provides ease-of-use. This package is supported by the majority of automation vendors, and most automation engineers are trained to use it.

Maximum choice for component integration due to PC based architecture

PC based architecture, including the Windows 10™ operating system, allows for the easy integration of third party components. This provides machine builders flexibility to choose best-in-class components for all applications.

Simple application integration due to standard onboard interfaces

Standard onboard interfaces including four Ethernet ports and two USB ports, mean that the Embedded Controller can be easily integrated with any application or machine.

Robustness due to rugged design

The Embedded Controller does not contain rotating fans or internal cabling, and is designed to operate in elevated temperatures. This increases reliability and reduces the need for maintenance, even in dusty environments.

MCE200



Our Embedded Controllers are stand-alone Machine Controllers with high performance Motion features that can manage every aspect of any industrial solution.

Our Embedded Controllers run on the Windows 10™ operating system and use standard CODESYS V3.5 SP16 or newer, and so are fully compatible with third party software or hardware.

Hardware Specifications

- Latest generation processor
Intel® Atom E3825 Dual Core 1.33 GHz
- Windows 10
- Inbuilt NVRAM
- 8GB solid state hard drive
- Multiple 1GB Ethernet ports
- Multiple USB ports
- Real time clock
- SD Card storage for application
- Fanless
- Operating temp: -20°C to 60°C

Support for multiple communication protocols:

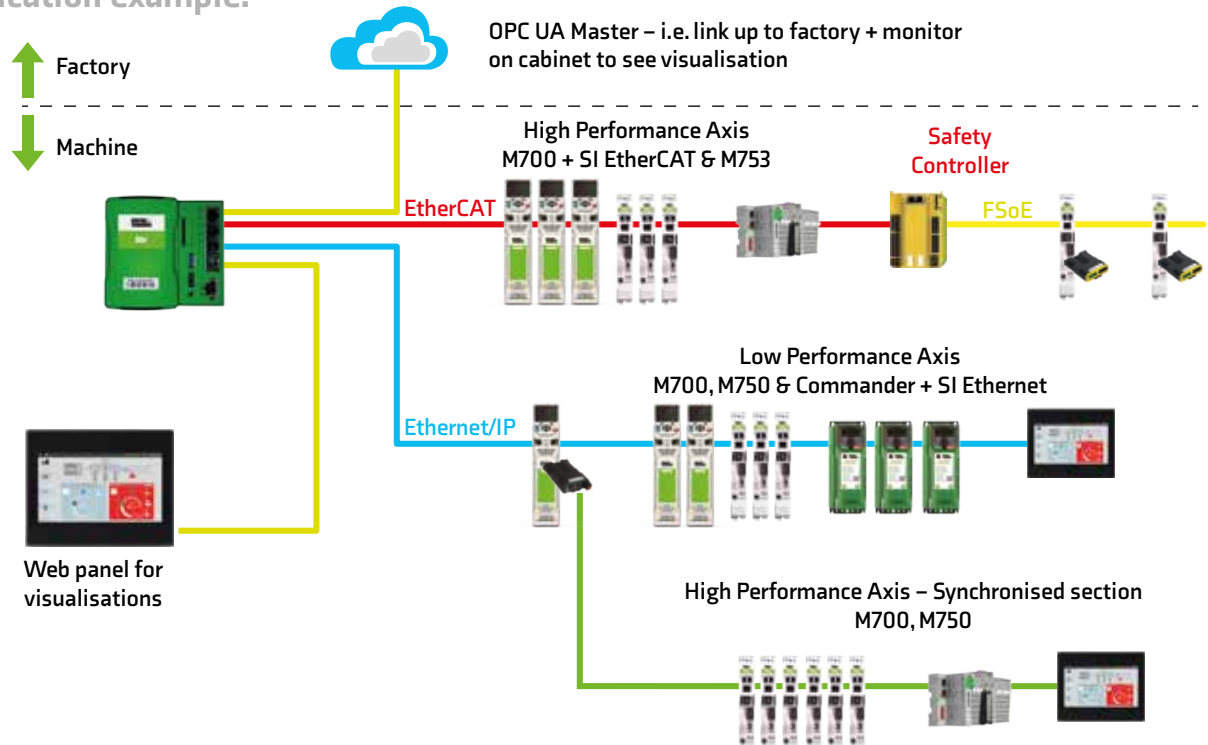
- EtherCAT Master (PLCopen)
- Profinet Server
- Ethernet/IP Client & Server
- Modbus TCP/IP Client & Server
- OPC UA Server

Programmed via standard CODESYS V3.5 SP16 with these licences included

- Softmotion
- Web Visu

MCe200 EMBEDDED CONTROLLER

Application example:



Communications Ports	
Ethernet ports for automation protocols (EtherCAT)	2
Standard Ethernet port	2 (Switched)
USB 3.0 ports	1
USB 2.0 Ports	1

Communications Protocols	
EtherCAT Master	Yes
EtherNet/IP Adapter	Yes
EtherNet/IP Scanner	Yes
Modbus TCP/IP Server	Yes
Modbus TCP/IP Client	Yes
PROFINET Device	Yes
OPC UA Server	Yes

Ordering Guide

MCe200	Order Code
MCe200	MCe200-100W10G002G016G00

Supported by our Remote I/Os & HMI Panels:



Approved Control Techniques Distributor:

Nidec

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