

MC6N-ECAT EtherCAT[®] Master

INTRODUCTION

The MC6N is a high performance Motion Coordinator which perfectly dialogues with the R.T.A. motion control solution (servos and steppers).

HIGHLIGHTS

- High performance motion coordinator for remote servo and stepper drives via EtherCAT bus.
- EtherCAT drives can be connected and driven in cyclic synchronous position, speed or torque modes.
- 1 GHz dual core processor controlling up to 64 axes (twice as the previous model MC4N).
- Same simple programming as the traditional analog and step/dir axes, with the possibility to set up drives and process alarms over the EtherCAT bus.
- Ideal for high axes count machines or robotic applications.

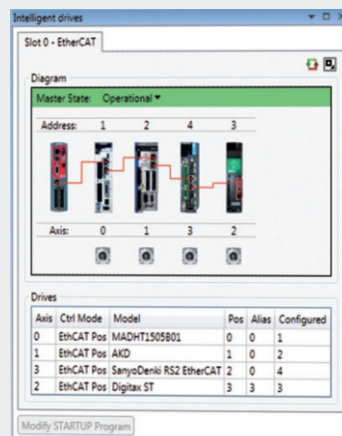


1st GENERATION	Vs	2nd GENERATION
MC4N		MC6N
<ul style="list-style-type: none"> ■ 532 Mhz ARM11 ■ up to 32 axis ■ Execution time: 35 lines/ms ■ 350 mA power consumption ■ Maximum retentive variables: 4096 		<ul style="list-style-type: none"> ■ 1GHz dual core ARM Cortex-A7 processor ■ up to 64 axis ■ Execution time: 102 lines m/s ■ 180 mA power consumption ■ Maximum retentive variables: 16384

EASY PROGRAMMING SYSTEM

The built-in Ethernet port allows programming and connection of common PLC and HMI protocols.

Standard IEC 61131-3 languages available, allowing a fully functional PLC programming system.



EtherCAT[®]



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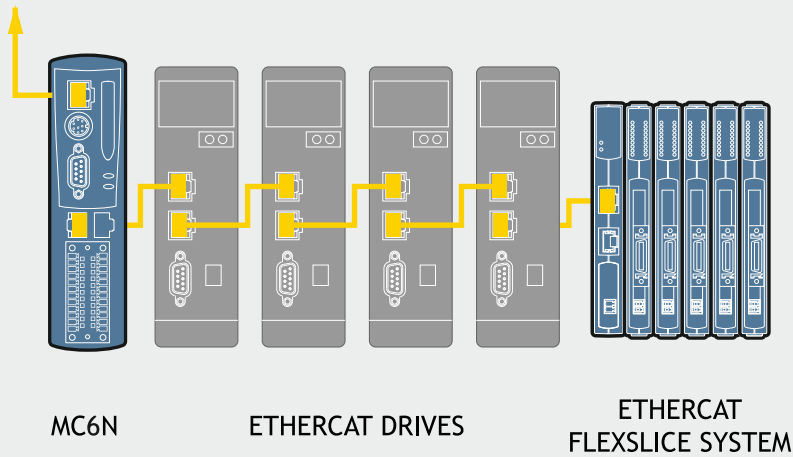
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SPECIFICATIONS

- Up to 64 EtherCAT digital drive virtual axis
- Multitasking operating system
- Up to 1024 EtherCAT I/O
- Ethercat cycle times down to 125 µsec.
- Linear, circular, helical and spherical interpolation
- EnDAT and SSI absolute encoder supported
- Ethernet-IP / Modbus TCP / Trio Activex / HMI Uniplay / UDP / Ethernet interface built-in
- Metal backplate for maximum noiselessness
- Robotic transformations
- High speed registration inputs
- SD memory card slot
- CANopen I/O expansions
- RoHS and UL approved

FACTORY ETHERNET
COMMS eg: MODBUS-TCP

EtherCAT®



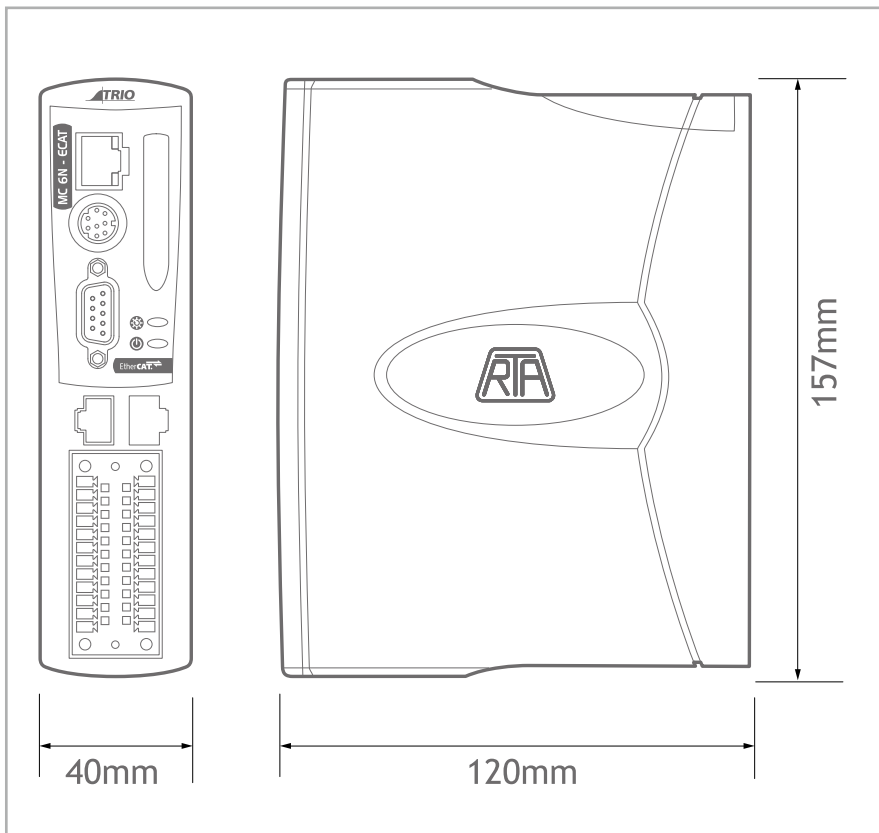
MC6N

ETHERCAT DRIVES

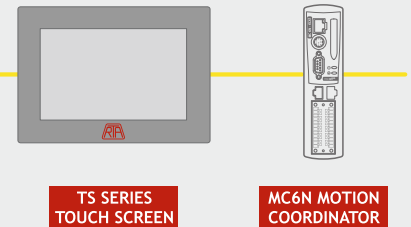
ETHERCAT
FLEXSLICE SYSTEM



MECHANICAL DIMENSIONS



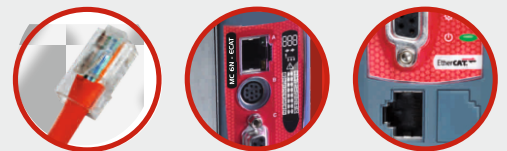
TS SERIES TOUCH SCREEN COMPATIBILITY



Easy interaction with R.T.A.'s TS series touch screens.

MAXIMUM VERSATILITY

Built-in support for digital drives and I/Os of most brands on the market.



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