

FLEX-6-NANO *Integrated EtherCAT[®] Controller*

INTRODUCTION

- 64 axis DIN rail mounted EtherCAT motion coordinator.
- Robust, high speed and flexible solution for motion control and general automation.
- Precise positioning of stepper and servo motors via suitable drive technology.
- Straight plugging into the Flexslice System, no need for the EtherCAT coupler (P366).
- Remote placement of the modules from the master if needed.

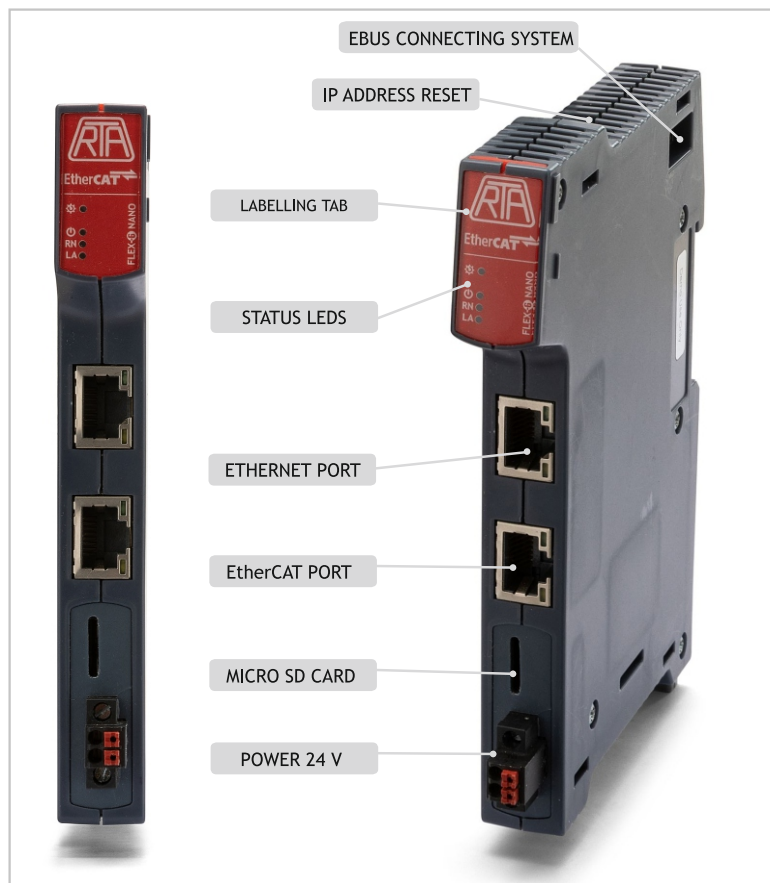
HIGHLIGHTS

Up to 16 input/output modules for 2 - 64 Axis.

Digital and analog I/O terminals and motion modules with pulse/direction output.

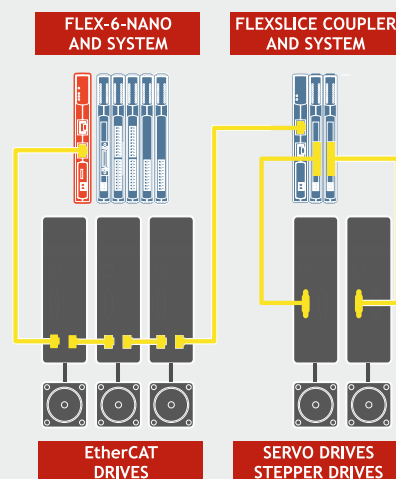
Direct address with the master and automatic detection and configuration on startup.

On-board memory boost to 32 GByte with the addition of a micro SD card.



SPECIFICATIONS

- Multitasking Operating System
- Comprehensive Motion Library
- TrioBasic Motion Language
- IEC61131-3 Programming
- UNIPLAY HMI Support
- Robotic Functions
- Multi-protocol Communications Support



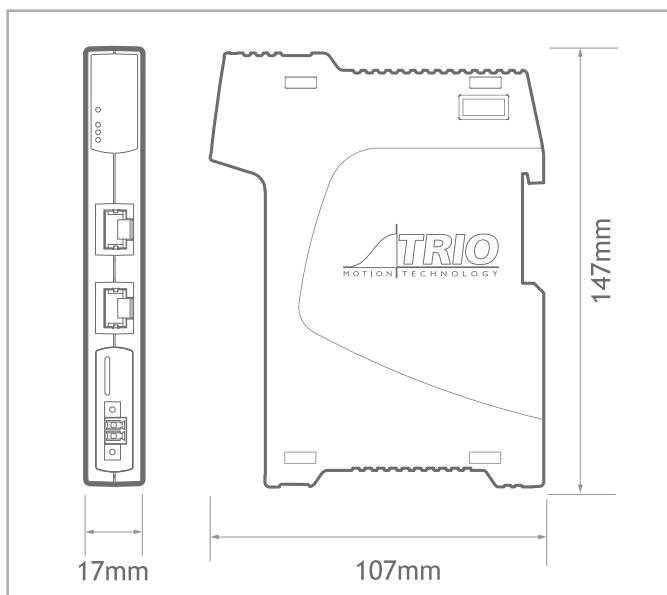
EtherCAT[®]

TECHNICAL FEATURES

- Dual core 1 GHZ Arm Processor.
- 1 Gbit DDR3 Memory.
- 1 Gbit Fast Serial Flash Memory to store data such as programs, Vrs and tables.
- Built-in Long Time Retention RTC.
- Built-in Ethercat coupler for direct access to TRIO's Flexslice slave.
- Cycle time as low as 125 us.
- Completely field programmable with *Motion Perfect*.
- Bus cycle time synchronised with *Motion Coordinator* Servo Period.
- EtherCAT protocol remains fully intact down to individual modules using the EBUS system.
- I/O functions tightly synchronised to motion using EtherCAT distributed clocks.
- Practical Push-In connector options - No break outs required.
- Clip-together design with «Quick-release» locks for mechanical integrity.
- RoHS, CE and UL approved.



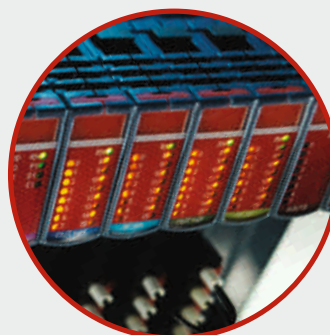
MECHANICAL DIMENSIONS



HANDY & EASY-TO-USE



EtherCAT slaves nodes are connected via the Flexslice EBUS and the EtherCAT connector. Up to 64 axes are supported using cSP, cSV and cST modes of operation. Total slave connections can be up to 128 nodes including I/O and complex devices.



The Flex-6-Nano plugs straight into the Flexslice System via the EBUS connector.

The micro Sd card port allows the memory to be expanded to up to 32 GByte.

