

Central Unit: axis configuration

In order to adapt the CNC to the real application needs, besides the central unit (with elaboration capability of CPU and RAM memory) it is possible to choose the CNC size and the interface with servomotor. The following tables synthetically summarize the available sizes together with the axis interface, the maximum number of managed axes and the axes sampling time (TAU). The interfaces for servomotors can be also of two different type unless one is of analog type.

Model M

The maximum number of CANopen nodes is 30.

Size	Axes (a)	TAU (ms)	Available configurations for axis interfaces (d)			
			Analogical	Mechatrolink	Pulse/Dir	Slm
TINY	3	4	*	*	*	*
SMALL	4	2	*(3 axes)	*	*(3 axes)	*
MEDIUM	6	2	*	*		*


Model HS

The maximum number of CANopen nodes is 63. The advised maximum number of CANopen nodes is 53 in order to have the best performance.

Size	Axes (a)	TAU (ms)	Available configurations for axis interfaces (d)			
			Analogical	Mechatrolink	Pulse/Dir	Slm
SMALL	4	2	*(3 axes)	*	*(3 axes)	*
MEDIUM	6	0,6 (b)	*	*	*	*
LARGE	12	1 (b)	*	*	*	*

Notes

- (a): 'Axes' means the maximum number of interpolated axes. The independent ones can be up to 12.
- (b): If at least a Mechatrolink I axis is set up then the axis cycle (TAU) must be 2 msec.
- (d): The SLM digital interface and Mechatrolink digital interface can not coexist.

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