
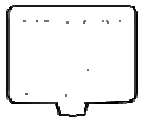
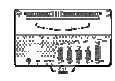


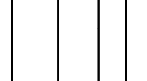


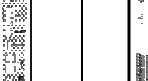


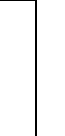
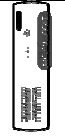
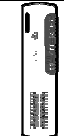

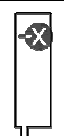
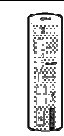
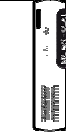
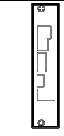





Trio Motion Coordinator Models

																								
Code #	P600	P823	P824	P825	P821	P822	P855	P826	P827	P848	P849	P860	P900	P906	P861	P862	P760	P960	P831	P832	P833	P834		
Product Name	FLEX-6 NANO	MC403	MC403 EXTENDED	MC403	MC403-Z	MC403-Z	MC404-Z	MC405	MC405 EXTENDED	MC508	MC508 (8 - 15 STEP/DIR)	MC464	MC4N-ECAT	MC4N-RTEX	MC664	MC664-X	PC-MCAT-64	MC6N-ECAT	EURO404	EURO404	EURO408	EURO408		
Axis Description	64 EtherCAT	3	3 extended	2	3	3	4	5	5 extended	8	8	64 Expandable	32 EtherCAT	32 Panasonic RTEX	64 Expandable high performance	64 Expandable	2 - 64 EtherCAT	64 EtherCAT	4	4	8	8		
Mount Style	DIN rail	DIN/panel					Panel	DIN/Panel					Panel	DIN/Panel					Panel	Eurocard rack				
Axis 0		Core	Extended + AS	Extended + AS	Core	Core		Core	Extended + AS	Core	Extended + AS	Core	Extended	Extended	Extended	Extended		Extended	Core	Extended + AS	Core	Extended + AS		
Axis 1		Core	Extended + AS		Core	Core		Core	Extended + AS	Core	Extended + AS								Core	Extended + AS	Core	Extended + AS		
Axis 2		Extended	Extended	Core		Core		Core	Extended + AS	Core	Extended + AS								Core	Extended + AS	Core	Extended + AS		
Axis 3							Extended	Core	Extended + AS	Core	Extended + AS								Core	Extended + AS	Core	Extended + AS		
Axis 4								Core	Extended	Core	Extended + AS								Core	Extended + AS	Core	Extended + AS		
Axis 5										Core	Extended + AS								Core	Extended + AS	Core	Extended + AS		
Axis 6										Core	Extended + AS								Core	Extended + AS	Core	Extended + AS		
Axis 7										Core	Extended + AS								Core	Extended + AS	Core	Extended + AS		
Max axes	64	3		2	3	3	4	5		8	16	64	32		128		64	4			8			
Max networked axes	64						0					64	33		64	128	65				0			
Max virtual axes	64				16					32		64	34		128	128	66				16			
Max discrete wired axes	0	3		2	3	4	5			8	16	25	1		25		0	1	4		8			
Cores	2	1										4					2	1						
Processor	ARM Cortex-A7	ARM11					ARM Cortex-M7	ARM11			ARM Cortex A9		MIPS 64bit	ARM11		Cortex A9		Intel Atom E3845 Quad Core	ARM Cortex-A7	ARM11				
Clock frequency	1000 MHz	532 MHz					396 MHz	532 MHz			800 MHz		400 MHz	532 MHz		1000 MHz		1910 MHz	1000 MHz	532 MHz				
Maths precision	IEEE 457 Double																							
Position register precision	64 bit																							
Execution benchmark	102 lines/ms	38 lines/ms				38 lines/ms	67 lines/ms	35 lines/ms			112 lines/ms		52 lines/ms	51 lines/ms		110 lines/ms	345 lines/ms	0 lines/ms	101 lines/ms	35 lines/ms				
Real-time clock	Yes	No																						
Flash memory	32 x 16000 values																							
User memory	8 MB																							
Table memory	512,000 values																							
Min expected flash memory life	20 years	42 years					20 years			42 years	31 years		0 years	42 years		62 years		0 years	20 years	42 years				
Maximum VR variables	16384	4096										16536		65536	4096		65536		4096	16384	4096			
Maximum servo period	4000 µs	2000 µs					4000 µs	2000 µs			4000 µs		2000 µs		1000 µs	4000 µs		2000 µs	4000 µs	2000 µs				
Minimum servo period	125 µs																							
Maximum encoder input frequency	none	6,000 MHz															none	6,000 MHz						
Maximum stepper output frequency	0.000 MHz	2,000 MHz															0.000 MHz	2,000 MHz						
Auxiliary axis	No															Option								
EtherCAT	Yes	No										Option	Yes	No	Option	Yes					No			
Hydraulic	No					Yes	No	Yes	Option	No		Option	No					No						
Piezo	No					Yes	No	Yes	Option	No		Option	No					No						
Panasonic RTEX	No					No			Option	No	Yes	Option	No					No						
SERCOS	No					No			Option	No		Option	No					No						
Servo	No	Yes					No	Yes	No	Yes	Option	No		Option	No					No				
SLM	No																							
Step & direction	No	Yes										Option	Axis0		Option	No	Axis0	Yes						
Anybus	No																							
Bluetooth	No					No			Option	No		Option	Yes	Yes	No					No				
CANopen	No	Yes										Yes	Yes		Yes	No					Yes			
CC-Link	No																							
DeviceNet	No	Yes					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes					
Ethernet	Yes																							
EthernetIP	Yes					Yes			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Option	Yes						
Hostlink	No	Yes										Yes	Yes		Yes	Option					Yes			
MODBUS-RTU	No	Yes										Yes	Yes		Yes	Option					Yes			
MODBUS-TCP/IP	Yes	Yes										Yes	Yes		Yes	Option					Yes			
Profibus	No																							
ProfiNet	Yes	No					No	Option	No	Option	No	Yes	Option	Yes	Yes	Option	Yes	No	Yes	No				
RS232/RS485	No	Yes										Yes	Yes		Yes	No					Yes			
USB 1.1	No																							
Feedback input	No	Yes					No	Yes			Option	No		Option	No					Yes				
Incremental (A+B) output	No	Yes										Yes	Yes		Yes	No					Yes			
Pulse & direction output	No	Yes										Yes	Yes		Yes	No					Yes			
Reference input	No	Yes										Yes	Yes		Yes	No					Yes			
SSI Absolute Input	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes		
EnDat Absolute Input	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes		
Tamagawa Absolute Input	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes		
BISS Absolute Input	No	No	No	No	Yes	No	Option	No	Yes	No	Yes	Option	Yes	Option	Yes	Yes	No	Yes	No	Option	No	Yes		
+/-10V analogue outputs	0	2					0	4			8		0					4	8					
Analogue output precision	12 bits											10 bits												
Analogue Inputs (0-10V)	0	2					1	2			0		2					0	2					
Analog input precision	12 bits																							
Digital Bidirectional I/O (24V)	0	4					0	8			0		8					0	8					
Digital Inputs (24Vdc)	0	8					16	8			32		8					0	8					
Digital outputs (24Vdc)	0	0										16		0		0					0	8		
Registration inputs	0	6					2	8			58	4		8					0	4				
Registration speed	0 µs	20 µs										1 µs											20 µs	

Watchdogs	0	1	9	9	1	0	1											
Watchdog rating	n/a	29V, 100mA max					n/a	29V, 100mA max										
+/-10V analogue outputs	16																	
Analogue output precision	12 bits																	
+/-10V analogue inputs	32																	
Analogue input precision	12 bits																	
Digital I/O points	1024	512				1024	512											
Trio BASIC	Yes																	
DXF in	Yes			Option		Yes												
G-Code	Yes			Option		Yes												
HPGL	Yes			Option		Yes												
IEC61131	Yes			Yes														
Kinematic	Option																	
Maximum programs	48	64	96	64	256	32	48	32	64									
Maximum tasks	22	6	10	22	10	22												
Expansion module type	None			Series4	None	Series4	None											
Maximum modules	0			7	0	7	0											
Memory card	Micro SD			SD			None	SD	Micro SD									
Maximum operating temperature	45 °C					55 °C	45 °C											
Minimum operating temperature	0 °C																	
Depth	107.0 mm	35.0 mm	35.0 mm	35.0 mm	35.0 mm	28.0 mm	35.0 mm	35.0 mm	35.0 mm	35.0 mm	155.0 mm	120.0 mm	120.0 mm	155.0 mm	155.0 mm	120.0 mm	120.0 mm	186.0 mm
Height	147.0 mm	122.0 mm	122.0 mm	122.0 mm	122.0 mm	115.0 mm	122.0 mm	122.0 mm	132.0 mm	132.0 mm	201.0 mm	157.0 mm	157.0 mm	201.0 mm	201.0 mm	157.0 mm	157.0 mm	128.0 mm
Width	17.0 mm	135.0 mm	135.0 mm	135.0 mm	135.0 mm	176.5 mm	186.0 mm	186.0 mm	226.0 mm	226.0 mm	56.0 mm	40.0 mm	40.0 mm	56.0 mm	56.0 mm	40.0 mm	40.0 mm	25.0 mm
Weight	160 g	325 g	325 g	325 g	325 g	430 g	476 g	476 g	640 g	640 g	750 g	432 g	432 g	750 g	750 g	432 g	432 g	160 g
Supply current	120 mA	300 mA			350 mA				625 mA				0 mA	180 mA	600 mA	800 mA		
Supply tolerance	+/- 20%			+/- 20%			+/- 20%			+/- 20%			-0.2	+/-20%	5%			
Supply voltage	24 V							5 V										
CE	Yes							See note										
RoSH	Yes																	
UL	Yes			No	Yes	Yes												