

LinMot Servo Drive C-Series & E1250



High Performance Drives

- Compact, single axis design
- Analog and digital I/O's
- 32 bit position value with resolution of 0.1 μ m
- Operates linear and rotary motors
- Option for stop switches, high-precision external sensor and mechanical holding brake
- Safe Torque Off option
- ODVA declared conformity to the EtherNet/IP standard
- Rockwell Automation AOI's available

Communication Interfaces/Protocols



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Drive Family	C1100	C1200	E1200
Motors	Linear & rotating 2 phase / 3 phase	Linear & rotating 2 phase / 3 phase	Linear & rotating 2 phase / 3 phase
Motor Supply Voltage	72 V	72 V	72 V
Motor Peak Current	25 A	25 A	32 A
Logic Supply	24V	24V	24V
Programming	255 Steps	255 steps	255 steps
Abs. or Rel. Positions	32 Bit	32 Bit	32 Bit
Velocity	32 Bit	32 Bit	32 Bit
Setpoint Streaming	32 Bit / 0.5- 5 ms	32 Bit / 0.5- 5 ms	32 Bit / 0.4- 5 ms
Profile Curves	50 curves 8,110 Points	100 curves 16,302 Points	100 curves 16,302 Points
Force Control	10 Bit / 0.1 N	12 Bit / 0.1 N	12 Bit / 0.1 N
Technology Functions	x	x	x
Full NC Motion		x	x
Interfaces/Protocols			
EtherNet/IP		x	x
PROFIdrive	x	x	x
PROFINET	x	x	x
EtherCAT	x	x	x
EtherCAT, SoE, CoE	x	x	x
PowerLink		x	x
Sercos III		x	x
CanOpen	x		x
DeviceNet			x
Config Interface	RS232	RS232	Ethernet/ RS232
Realtime Ethernet	2-Port Switch 10/100 Mbit/s	2-Port Switch 10/100 Mbit/s	2-Port Switch 10/100 Mbit/s
RS232/ RS485	- / x	- / -	x / x
I/Os, Trigger Inputs	6	6	9
Analog Inputs	2 (10 Bit,250us)	2 (12 Bit,125us)	3 (12 Bit,100us)
Optional Ext. Sensor	Incr. or Abs.	Incr. or Abs.	Incr. or Abs.
Master Encoder			32Bit / 25 MHz
External Brake	x	x	x
Regeneration Resistor			external
Microcontroller	16 bit /100 MHz	32 bit / 270 MHz	32 bit /150 MHz
Number of cores	1	2	2
Floating Point Unit		x	x
DA converter	10 bit	12 bit	12 bit
Bus cycle time	500 us	250 us	200 us
Position Control loop	150 us	125 us	100 us
Current control loop	125 us	62.5 us	50 us
PWM Frequency	16 kHz	16 kHz	20 kHz
IECEE CB SCHEME	CH-7685	CH-7685	
Safety EN ISO 13849-1	PL d / cat 3 (PL e planned)	PL d / cat 3 (PL e planned)	
Safety IEC 61508	SIL 2 (SIL 3 planned)	SIL 2 (SIL 3 planned)	
UL / CE	508C / CE	508C / CE	CE