

XL4 The Compact All-in-One Controller



XL4 Världens Mest Avancerade ¼DIN All-in-one Controller

XL4 All-in-One controller med inbyggd 32,000 färg TFT pekskärm, I/O-moduler, nätverk optioner, urtagbar MicroSD kort och USB portar. Den programmeras med Horner APGs verdertagan programverktyg Cscape och kan styra ett brett område av olika processer och maskiner från små till medelstora applikationer



För mera produkt information se
www.horner-apg.com/xl4

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För ett brett område av Systemlösningar

Som en kompakt kraftfull controller, kan XL4 med fördel användas i tusentals av applikationer från Maskin och Mobila applikationer till Process kontroll lösningar. Höghastighets Ethernet, CANBus och Modbus möjliggör dessutom en perfekt mix av nätverks lösningar

Val av Modell

Modell: HEXT251	I/O Expansion	CANbus	Digitala Ingångar	Digitala Utgångar	Analoga Ingångar	Analoga Utgångar
C100	CANBus / Modbus / Ethernet	1 Port	Samma möjligheter som övriga modeller men inga I/O			
C112	CANBus / Modbus / Ethernet	1 Port	12 DC (4 HSC)	6 Relay	4 (12 bit)	No
C113	CANBus / Modbus / Ethernet	1 Port	12 DC (4 HSC)	12 DC (2 PWM)	2 (12 bit)	No
C114	CANBus / Modbus / Ethernet	1 Port	24 DC (4 HSC)	16 DC (2 PWM)	2 (12 bit)	No
C115	CANBus / Modbus / Ethernet	1 Port	12 DC (4 HSC)	12 DC (2 PWM)	2 (14bit) Universal (T/C, RTD, mV, mA, V)	2 (12 bit)

General Specifications	
Required Power (Steady state)	95 mA @ 24 VDC 190 mA @ 12 VDC
Required Power (Inrush)	2A for <1 ms @ 24 VDC DC Switched
Primary Power Range	10 – 30 VDC
Relative Humidity	5 to 95% Non-condensing
Clock Accuracy	+/- 20 ppm maximum at 25° C (+/- 1 Minutes per Month)
Operating Temp	-10°C to +60°C
Storage Temp	-30°C to +70°C
Weight	12 oz. (340 g)
UL / CE	USA: http://www.heapg.com/support/product-certifications/ Europe: http://www.horner-apg.com/en/support/certification.aspx

Control & Logic Specifications	
Control Language Support	Advanced Ladder Logic Full IEC 61131-3 Languages
Logic Program Size & Logic Scan Rate	1MB, maximum 0.013mS/K
Online Programming Changes	Supported in Advanced Ladder
I/O Support	Digital Inputs 2048 Digital Outputs 2048 Analog Inputs 512 Analog Outputs 512
General Purpose Registers	50,000 (words) Retentive 16,384 (bits) Retentive 16,384 (bits) Non-retentive

Display Specifications	
Display Type	3.5" TFT Transmissive Colour
Resolution	QVGA (320x240)
Colour	16-bit (65,535)
Screen Memory	64MB
User-Programmable Screens	1023
Backlight	LED – 50,000 hour life
Screen Update Rate	User Configurable within the scan time.

Connectivity	
Serial Ports	1 RS-232 & 1 RS-485 on single Modular Jack
USB mini-B	USB 2.0 (480MHz) Programming & Data Access
USB A	USB 2.0 (480MHz) for USB FLASH Drives (2TB)
CAN	Remote I/O, Peer-to-Peer Comms, Cscape
Ethernet	10/100 Mb (Auto-MDX) Modbus TCP C/S, HTTP, FTP, SMTP, Cscape
Remote I/O	SmartRail, SmartStix, SmartBlock, SmartMod
Removable Memory	MicroSD, support for 32GB max. Application Updates, Datalogging, more

Input / Output Specifications								
Model	DC In	DC Out	Relays	HS In	HS Out	mA/V In	mA/V RTD/Tc	mA/V Out
Model 2	12		6	4		4		
Model 3	12	12		4	2	2		
Model 4	24	16		4	2	2		
Model 5	12	12		4	2		2	2

There are 4 high-speed inputs of the total DC Inputs. There are 2 high-speed outputs of the total DC outputs. Model 2, 3 & 4 feature 12-bit Analog I/O. Model 5 features 14-bit Analog I/O. High-speed Outputs can be used for PWM and Pulse Train Outputs, currently limited to 10 KHz (Higher Speeds Under Development) Check Web for latest Details.

High-Speed Counters	
Number of Counters	2
Maximum Frequency	500kHz each
Accumulator Size	32-bits each
Modes Supported	
Totalizer	Quadrature
Pulse Meas.	Frequency Meas.
2 Position Controlled Outputs	
1 ON/OFF Setpoint per Output	



OCS combines Control, Operator Interface, I/O and Network - All in One

Horner APG

Centrepoint, Centre Park Road,
Cork, Ireland

Tel: +353 21 4321-266

Fax: +353 21 4321-826

www.horner-apg.com

Email: sales@horner-apg.com

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