

Horner Automation Group - 4" PLC/HMI Comparison



Description	Spec	Micro X4	XL4 Prime	Canvas 4	Canvas 5
Controller	Ladder Logic Memory	512kB		2MB	
	Logic Scan Rate	0.4 ms/K		0.02 ms/K	
	PID Loops Supported	8		64	
	General Purpose Registers	5,000 words		50,000 words	
	General Purpose Internal Coils	2,048 bits		32,768 bits	
	Removable Memory	Up to 32GB Micro SD			
HMI	Onboard Display	4.3" 480x272 TFT, 350 nits	3.5" 320x240 QVGA, 640 nits	4.3" 480x272 LCD, 450 nits	
	Buttons	Virtual Function Keys	Physical Function Keys		Virtual Function Keys
	Total Screens	250	1023		
	Objects/Screen	100	1023		
	Graphics	Standard		Enhanced	
I/O	I/O Expansion	OCS-I/O, SmartStix, SmartRail, SmartMod, SmartBlock			
	Digital Inputs/Outputs, Max	1024	2048		
	Analog Inputs/Outputs, Max	256	512		
	Digital Inputs	12 DC In	Up to 24 DC In		
	Digital Outputs	12 DC Out or 6 Relay Out	Up to 16 DC Out or 6 Relay Out		
	Analog Inputs	4 (4-20mA or RTD only)	Up to 6 (4-20mA, 0-10V, Thermocouple, RTD)		
	Analog Outputs	2 (4-20mA only)	Up to 4 (4-20mA, 0-10V)		
	High Speed Input Modes	Quadrature, Totalizer, Frequency, Pulse	Quadrature, Totalizer, Frequency, Period Measurement, Pulse		
	High Speed Output Modes	HSC Out, PWM	HSC Out, PWM, Stepper		
Communications	Ethernet Ports	1 x 10/100 Mbps			
	CAN Ports	1			
	Serial Ports	2 in single RJ45 port (1 x RS-232, 1 x RS-485)	3 total connections in 2 physical RJ45 ports		2 in single RJ45 port (1 x RS-232, 1 x RS-485)
	USB A Support	No	Yes, supports data storage, USB camera, or USB WiFi	Yes, data storage, USB camera, or USB WiFi, mouse/keyboard	
	USB Mini-B Support	Yes, programming only			
	Licensed Options	BACnet, CANopen, WebMI	MQTT, WebMI, Enhanced IEC, J1939	All licensed options included	
Physical Dimensions	Height x Width x Depth	3.79"x4.92"x1.41"	3.78"x3.78"x2.26"		3.79"x4.92"x1.22"
	Operating Specifications	Operating Temperature	-10C to 60C	-10C to 60C (down to -40C with heater option)	
Humidity (non-condensing)		5 to 95%			
Environmental Rating		IP65 and Type 4X			
List Price		\$679	Starting at \$1461	Starting at \$1691	\$1264