

Horner Automation Group - 10" PLC/HMI Comparison



Description		Spec	Micro X10	XL10 Prime	XL10W Prime	Canvas 10D
Controller	Ladder Logic Memory		256kB		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		10.1" 1024x600 LED, 300 nits	10.4" 640x480 TFT, 550 nits	10.1" 1024x600 WSVGA, 300 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		1024		2048	
	Digital Inputs	Built-in	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		2 x 10/100 Mbps			
	CAN Ports		2			
	Serial Ports		2 in single RJ45 port (1 x RS-232, 1 x RS-485)	3 total connections in 2 physical RJ45 ports		
	USB A		No	Yes, supports data storage, USB camera, or USB WiFi	Yes, data storage, USB camera, or USB WiFi, mouse/keyboard	
	USB Programming		USB Mini-B		USB C	
	Licensed Options		BACnet, CANopen, WebMI	MQTT, WebMI, Enhanced IEC, J1939		All licensed options included
Physical Dimensions	Height x Width x Depth		6.5"x10.4"x2.2"	9.08"x11.94"x2.43"	6.5"x10.4"x2.2"	
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			\$1139	Starting at \$4022	Starting at \$3449	Starting at \$3679