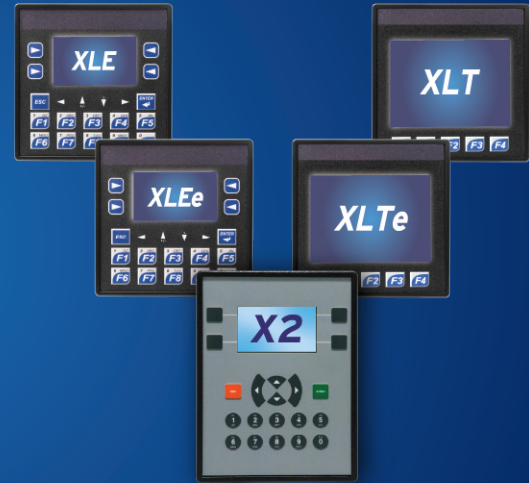


Foundation Series

X2, XLE/e, XLT/e

Representing Horner's proven, field-tested control platform – trusted for decades in reliable, cost-sensitive applications.



APPLICATIONS

Agriculture

- Reduce energy consumption
- Increase overall productivity

Building Automation

- Improve occupant comfort
- Economical operation systems

Material Handling

- Minimize HMI inefficiencies
- Track/log/catalog data

Oil and Gas

- Maximize capacity utilization
- Maintain emission standards

Renewable Energy

- Data logging, remote access
- Sunlight and UV protection

Water/Wastewater

- Station pump control
- Remote water well controls

MINIMAL PHYSICAL DESIGN

The small, sleek profiles of the X2, XLE/e and XLT/e enable you to fit more in your panel, saving space and resources. For an introductory product, these pack big performance into an overall small package.

COMPREHENSIVE I/O CONFIGURATION

In an effort to make implementing Horner OCS controllers as seamless and user-friendly as possible, we have selected a streamlined set of on-board I/O. The wide scope of digital and analog I/O make automating your applications, and your organization, as simple as the push of a button. If the built-in I/O isn't enough for your specific application, you can easily expand via CAN or serial.

FLEXIBILITY

Suited for most applications across a diverse range of industries, these five all-in-one controllers exceed standards (and expectations). The intuitive user interface, rugged durability, and suite of capabilities within them are similar to our more established line of products.

COMPETITIVE ADVANTAGE

Our engineers at Horner Automation have designed a slim, versatile, and complimentary product to our existing line of robust industrial solutions. When utilized as an introductory piece, they empower your organization to grow, by seamlessly incorporating additional Horner solutions to your expanding system. All controlled with our FREE Cscope programming software!

SPECIFICATIONS AND TECHNICAL INFORMATION

	X2	XLE/E	XLT/E
CPU	High Performance 32 Bit Arm		
Logic Scan Rate	1.2 mS/K	0.7 mS/K	0.8 mS/K
Built-In Storage	16MB		
Removable Memory	32GB microSD		
Retentive Storage	32K Battery-Backed Ram		
Programming Languages	Advanced Ladder or IEC: ST, LD, FBD, IL, SFC		

USER INTERFACE

Display Technology	2.2" Transflective with LED	2.2" Transflective LCD	3.5" Transflective LCD
Resolution / Color	128 x 64, Monochrome		160 x 128, Monochrome
Keypad	20 Key Domed Membrane		5 Key Domed Membrane

CONNECTIVITY

Serial Ports	1 Port with RS-232 and RS-485	2 Ports with RS-232 and RS-485	
USB Ports (Mini-B)	1 Programming		
Ethernet	n/a	10/100 Support with Auto MDIX Support (optional)	
CAN	1 Port 125K - 1 MB		

OPERATING SPECS.

Primary Power Range	24VDC +/- 10%	10-30VDC	
Operating Temperature	-10° to 60° C		
Humidity	5 to 95% Non-Condensing		
Ratings	UL 50E Type 1, 4x, 12, 12k, 13** (Indoor use only)	IP65, UL Type 3R, 4, 4x, 12, 12k, 13	

PHYSICAL SPECS.

Dimensions	mm: 89.76 h x 119.18 w x 35.8 total d in: 3.53 h x 4.69 w x 1.41 total d	mm: 96.0 h x 96.0 w x 57.5 d in: 3.78 h x 3.78 w x 2.26 d	
Weight	270g / 9.5oz	340g / 12oz (without I/O)	

ONBOARD I/O

X2A	12 DC In, 12 DC Out, 4 Analog In (mA), 2 Analog Out (mA)		
X2R	12 DC In, 2 DC Out, 6 Relay Out, 4 Analog In (mA), 2 Analog Out (mA)		

XLE (STANDARD)	XLEe (ETHERNET)	XLT (STANDARD)	XLTe (ETHERNET)	I/O MODELS
HE-XE100	HE-XE1E0	HE-XT100	HE-XT1E0	No Built-in I/O
HE-XE102	HE-XE1E2	HE-XT102	HE-XT1E2	12 DC in, 6 Relay Out, 4 - 12-bit Analog In
HE-XE103	HE-XE1E3	HE-XT103	HE-XT1E3	12 DC in, 12 DC Out, 2 - 12-bit Analog In
HE-XE104	HE-XE1E4	HE-XT104	HE-XT1E4	24 DC in, 16 DC Out, 2 - 12-bit Analog In
HE-XE105	HE-XE1E5	HE-XT105	HE-XT1E5	12 DC in, 12 DC Out, 2 - 14/16-bit Analog In (mA/V/Tc/mV/RTD), 2 - 12-bit Analog Out
HE-XE106	HE-XE1E6	HE-XT106	HE-XT1E6	12 DC in, 12 DC Out, 6 - 14/17-bit Analog In (mA/V/Tc/mV/RTD), 4 - 12-bit Analog Out
Remote I/O				All Models Support SmartRail, SmartBlock, SmartStix, SmartMod, various 3rd party I/O devices