X5 OCS

The Right All-In-One Controller, At Exactly the Right Time

Redefining industry standards through a wide aspect color screen, streamlined I/O, and advantageous performance.

APPLICATIONS

Agriculture
- Reduce energy consumption
- Increase overall productivity

Building Automation
- Improve occupant comfort
- Economical operation systems

Material Handling
- Minimise HMI inefficiencies
- Track/log/catalog data

Oil and Gas
- Maximise capacity utilization
- Maintain emission standards

Renewable Energy
- Data logging, remote access
- Sunlight and UV protection

Water/Wastewater
- Station pump control
- Remote water well controls

WIDE ASPECT COLOR TOUCHSCREEN

The X5 really packs a big picture into an overall small package. With just a 4.6" x 3.5" cutout, this 4.3" wide aspect screen is very friendly, intuitive, and clear. By incorporating our hidden soft key technology, you can use the entire screen to illustrate your specific applications.

STREAMLINED I/O

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. 4 digital inputs, 4 digital outputs, and 4 analog inputs make automating your applications, and your organisation, as simple as the push of a (virtual) button.
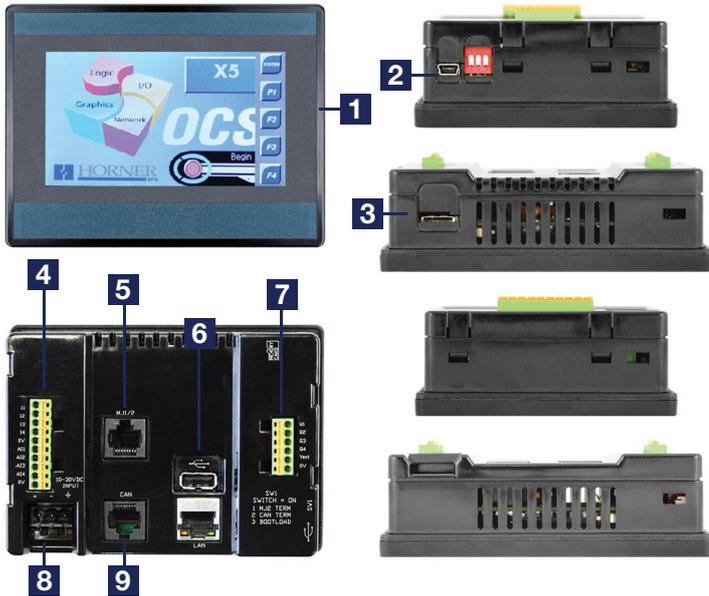
PERFORMANCE

When it comes to speed, resolution, and technical capabilities, the X5 is leading the way. We have developed an entirely new design techniques, yielding fast processor speeds, a suite of capabilities similar to our more established XL line of products, and unprecedented acceptance across an array of commercial and industrial applications. In the market of fixed I/O, web-compatible controllers, the X5 is unmatched.

COMPETITIVE ADVANTAGE

The simplistic overall design of the X5 has empowered our team of driven engineers to develop a product at the forefront of leading technology, creating an opportunity to take advantage of commercial economies of scale. The state-of-the-art design, coupled with economic efficiencies position the X5 as more than a technological milestone – it's a competitive industrial leader.

HORNER
AUTOMATION GROUP

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Physical Characteristics

1. Virtual function keys slide in from the right on command
2. USB mini-B port
3. High capacity microSD slot
4. 4 DC inputs, 4 analog inputs
5. RS232/RS485 serial port
6. USB A port
7. 4 DC outputs
8. Wide-range DC power
9. CAN port (via RJ45)
10. Ethernet LAN port

CONTROLLER	
Ladder Logic Memory	1MB
Logic Scan Rate	0.013 mS/K
Removable Memory	microSD*
Digital I/O Max	2048 / 2048
Analog I/O Max	512 / 512
Primary Power Range	10-30VDC

DISPLAY SPECIFICATIONS	
Characters/Pixels	480 x 272
Display Technology	4.3" TFT Resistive Color
Function Keys	4

CONNECTIVITY	
Total Active Ports	1 RS-232, 1 RS-485
USB Ports (A and Mini-B)	Yes
Ethernet	1 x 10/100 MHz Support with Auto MDIX Support

PHYSICAL SPECIFICATIONS	
Dimensions	mm: 89.76 tall x 119.18 wide x 35.8 deep in: 3.53 tall x 4.69 wide x 1.41 deep
Weight	270g / 9.52oz

OPERATING SPECS. & STANDARDS	
Operating Temperature	-10˚ to 60˚ C
Humidity (non-condensing)	5 to 95%
Ratings	UL Type 3R, 4, 4x, 12, 12k, 13

STREAMLINED ONBOARD I/O		
Digital Inputs	4	12-24Vdc, HSC 500KHz MAX
Digital Ouputs†	4	0.5A @ 24Vdc, PWM 500KHz MAX
Analog Inputs	4 (12-bit)	0-20mA, 4-20mA, 0-10Vdc

FULLY SUPPORTED REMOTE I/O			
Digital Inputs	2048	Analog Outputs	512
Digital Outputs	2048	Gen. Purpose Registers (words)	8192 (1024 retentive)
Analog Inputs	512	Gen. Purpose Internal Coils (bits)	4096 (2048 retentive)

Accessories

SmartRail Modular I/O

SmartBlock Specialty I/O

SmartStix Terminal Block I/O

HE-XCK Programming

Cable Kit Includes

- USB Cable
- Ethernet Cable
- RS-232 Cable
- USB/RS-232 Adapter

*please refer to MAN1043-01-EN for size and format details
†please refer to MAN1042-01-EN for wiring/installation details

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