HORNER
AUTOMATION GROUP

Made in the USA with global components

CE

cULus

Class I, Division 2
Groups A, B, C, D
Type 4X

EXL6 OCS

Enhanced Screen, Faster Logic, Unprecedented Capabilities

The 6″ OCS controller is now faster than ever with improved logic, higher screen resolution, and proven performance.

Building Automation

- Improve occupant comfort
- Economical operation systems
- Reduce energy consumption

Material Handling

- Minimize HMI inefficiencies
- Track/log/catalog data
- Increase overall productivity

Oil and Gas

- Maximize capacity utilization
- Rationalize assets
- Maintain emission standards

Renewable Energy

- Data logging, remote access
- Sunlight and UV protection
- Durable, robust controllers

Water/Wastewater

- Operate chlorination systems
- Station pump control
- Remote water well controls

6″ Color Touchscreen

Utilizing the same 5.7″ opening as our XL6e, the new and improved EXL6 was engineered to incorporate intuitive functionalities and innovative features as previous models of our XL series of OCS controllers. The EXL6 LCD TFT Display is full color with VGA resolution and provides virtually instantaneous updates. Low-temperature options are available as an add-on feature.

Full Ethernet Built into Every Unit

The EXL6 model has built-in 100Mbps Ethernet. The EXL6 Ethernet support includes an integrated Web Server, FTP Host, email, Modbus/TCP Master/Slave, Programming, and much more.
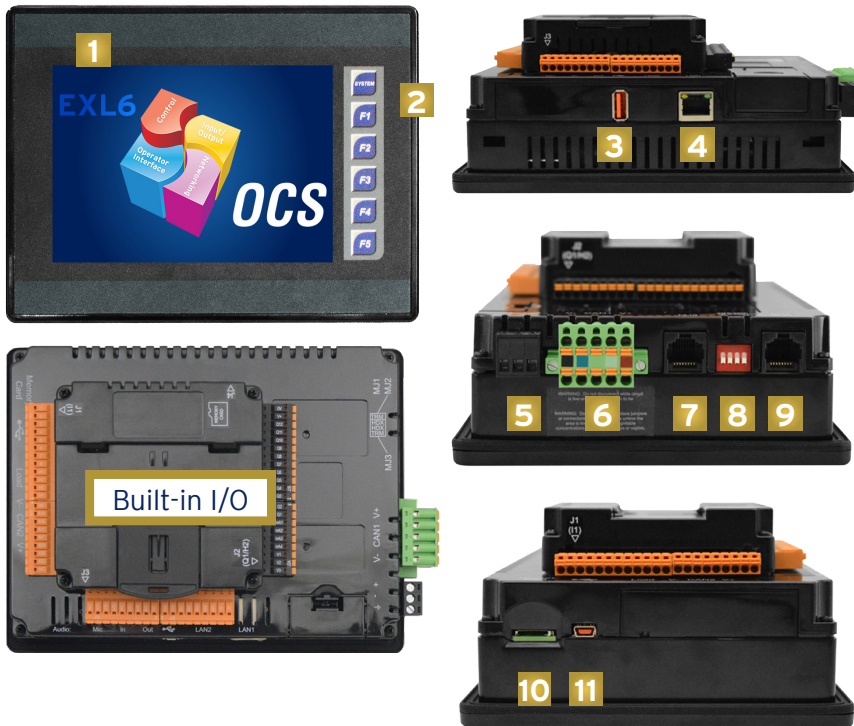
Online Programming & High-Speed USB 2.0

The EXL6 includes two USB 2.0 ports; host port and an on-the-go port. The Host Port allows connection of removable FLASH drives, supporting drives up to 2TB. EXL6 Online Programming allows the logic program to be modified on-the-fly without entering stop mode.

Advanced High Speed Counter (>500kHz)

The channel High-Speed Counter accepts frequencies exceeding 500kHz, supporting a variety of modes including Totalizing, Quadrature, Pulse Measurement, Frequency Counting and Setpoint Controlled Outputs.

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Please visit our website for a complete listing and to learn more about certified Horner Automation products.

HA-150R8

SPECIFICATIONS AND TECHNICAL INFORMATION

PHYSICAL CHARACTERISTICS

1 Touchscreen

2 Function Keys

3 USB 2.0 "A": Flash Drive

4 LAN Port

5 PWR: 10-30VDC In

6 CAN Port

7 MJ3: RS-232/485

8 Dip Switches

9 MJ1/MJ2: RJ45 Serial Port t

10 MicroSD: Data Storage

11 USB mini "B": Programming

CONTROLLER

CPU	Single Core Arm
Logic Scan Rate	0.04 ms/kB
Built-In Storage	128MB
Removable Memory	microSD
Retentive Storage	256kB
Programming Languages	Advanced Ladder or IEC: ST, LD, FBD, IL, SFC

USER INTERFACE

Display Technology	5.77" VGA TFT, 450 cd/m²
Resolution / Color	640 x 480
Keypad	6 (5 function keys)

CONNECTIVITY

Serial Ports	3 with RS-232 and RS-485
USB Ports (A and Mini-B)	1 Host, 1 Programming
Ethernet	Single 10/100 Support with Auto MDIX Support
CAN	1 Port 125kb - 1Mb

I/O MODELS

HE-EXL1E0	No Built-in I/O
HE-EXL1E2	12 DC in, 6 Relay Out, 4 – 12-bit Analog In
HE-EXL1E3	12 DC in, 12 DC Out, 2 – 12-bit Analog In
HE-EXL1E4	24 DC in, 16 DC Out, 2 – 12-bit Analog In
HE-EXL1E5	12 DC in, 12 DC Out, 2 – 14/16-bit Analog In (mA/V/Tc/mV/RTD), 2 – 12-bit Analog Out
HE-EXL1E6	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

OPERATING SPECS. & STANDARDS

Primary Power Range	18-30VDC
Operating Temperature	-10° to 60°C
Humidity (non-condensing)	5 to 95%
Ratings	IP65, UL Type 3R, 4, 4x, 12, 12k, 13

PHYSICAL SPECIFICATIONS

Dimensions (W x H x D)	mm: 186.1 x 143.6 x 77 in: 7.326 x 5.66 x 3.03
Weight	1.12 lbs or 508g