

# XL7 OCS

## The World's Most Connected All-In-One Controller

Provides twice the connectivity of all other products in its class.



### BENEFITS

- High performance logic controller with online programming capability
- 7" WVGA color touchscreen with 1000 nits of brightness
- Built-in digital & analog I/O with two 500kHz high-speed counters
- Dual 10/100 Ethernet for factory and world-wide networking
- Two CAN ports for fieldbus flexibility
- USB 2.0 ports for programming & FLASH drive support
- MicroSD slot, up to 32GB, for virtually unlimited data logging

### A Controller for a Wide-Range of Applications

The XL7 was designed around a high-resolution, wide aspect ratio color touchscreen with 1000 nits of LED backlighting. The display benefits end-users by providing high outdoor visibility and allowing the XL7 to be used in a variety of ambient lighting conditions.

In addition to exceptional display performance, the XL7 contains a powerful logic engine with built-in digital and analog I/O and online programming capability.

### Dual Ethernet for Connectivity and Flexibility

The XL7 features two high-speed counters and dual 10/100 Ethernet ports, which adds flexibility when linking to factory networks like Modbus/TCP and Ethernet/IP - while also performing standard functions like web serving, FTP file transfer, email and protocol support.

### Two CAN Ports Put Your Application in Motion

The XL7 includes two CAN ports. One port utilizes CsCAN for Distributed Plug and Play I/O over a 500m distance. The second port provides support for CANopen and J1939 for mobile applications.

# SPECIFICATIONS AND TECHNICAL INFORMATION



## PHYSICAL CHARACTERISTICS

- 1 Touchscreen
- 2 Function Keys
- 3 MJ1: RS232/ MJ2: 1/2 duplex RS485
- 4 Dip Switches
- 5 MJ3: RS-232/485 Serial Port
- 6 CAN 1 Port
- 7 Power: 10 - 30VDC In
- 8 Audio In & Out Ports
- 9 USB 2.0 "A": Flash Drive
- 10 LAN 1 & 2 Ports
- 11 CAN 2 Port
- 12 USB mini "B": Programming
- 13 microSD: Data Storage

## 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	7" TFT, 800 cd/m <sup>2</sup>
Resolution / Color	800 x 480
Keypad	6 function keys

## CONNECTIVITY

Serial Ports	1 with RS-232 and RS-485 on first Modular Jack (M1/2) 1 RS-232 or 1 RS 485 on second Modular Jack (MJ-3)
USB Ports (A and Mini-B)	1 Host, 1 Programming
Ethernet	Dual 10/100 Support with Auto MDIX Support
CAN	2 CAN Ports 125kb - 1Mb

## I/O MODELS

HE-XW1E0	No Built-in I/O
HE-XW1E2	12 DC in, 6 Relay Out, 4 - 12-bit Analog In
HE-XW1E3	12 DC in, 12 DC Out, 2 - 12-bit Analog In
HE-XW1E4	24 DC in, 16 DC Out, 2 - 12-bit Analog In
HE-XW1E5	12 DC in, 12 DC Out, 2 - 14/16-bit Analog In (mA/V/Tc/mV/RTD), 2 - 12-bit Analog Out
HE-XW1E6	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	10-30VDC
Operating Temperature	-10° to 60°C
Humidity (non-condensing)	5 to 95%
Ratings	IP65, UL Type 3R, 4, 4x, 12, 12k, 13, ABS

## PHYSICAL SPECIFICATIONS

Dimensions (W x H x D)	mm: 210.06 x 143.76 x 43.94 in: 8.27 x 5.66 x 1.73
Weight	2 lbs or 907g