

# EXL10 OCS

## Better Networking, Unparalleled Performance

Pushing the 10" OCS to the next level through dual CAN and dual ethernet, blazing processing speeds, and enhanced video/audio capabilities



### BENEFITS

- High performance logic controller with online programming
- 10.4" VGA color touchscreen for detailed graphics
- Built-in digital & analog I/O with (2) 500kHz high-speed counters
- Dual 10/100MB (Auto-MDIX) Ethernet for Modbus TCP C/S, HTTP, FTP, SMTP
- USB 2.0 ports for programming and FLASH drive support
- microSD slot, up to 32GB, for application updates and virtually unlimited data logging

### Dual Ethernet and Dual CAN Standard

The EXL10 provides twice the connectivity of all other products in its class. With two high-speed counters and dual 10/100 Ethernet ports, the EXL10 adds flexibility when linking to factory networks like integrated Web Server, FTP Host, Email functionality, Modbus TCP Master/Slave, program updates, and much more.

### Two CAN Ports Put Your Application in Motion

The EXL10 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.

### Online Programming & High-Speed USB 2.0

The EXL10 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. EXL10 Online Programming allows the logic program to be modified on-the-fly without entering stop mode.

### Flexible, Built-In I/O

The display benefits end-users by providing high outdoor visibility and allowing the EXL10 to be used in a variety of ambient lighting conditions. In addition to exceptional display performance, the EXL10 contains a powerful logic engine with built-in digital and analog I/O and online programming capability.

# SPECIFICATIONS AND TECHNICAL INFORMATION

## PHYSICAL CHARACTERISTICS



- 1 Touchscreen
- 2 Function Keys
- 3 Audio Out/In
- 4 USB 2.0 "A": Flash Drive
- 5 LAN1 Port
- 6 LAN2 Port
- 7 Built-in I/O
- 8 MJ1/MJ2: RS-232 & 1/2 Duplex RS-485
- 9 Dip Switches
- 10 MJ3: RS-232/485
- 11 CAN1: CAN I/O & Fieldbus Port
- 12 Power: 10 - 30VDC In
- 13 microSD: Data Storage
- 14 USB mini "B": Programming
- 15 CAN2: CAN I/O and FieldBus Port



CONTROLLER	
CPU	Single Core Arm
Logic Scan Rate	0.013ms/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	10.4" VGA TFT, 550 cd/m <sup>2</sup>
Resolution / Color	640 x 480
Keypad	8 keys (7 function keys)
CONNECTIVITY	
Serial Ports	3 with RS-232 and RS-485
USB Ports (A and Mini-B)	1 Host, 1 Programming
Ethernet	Dual 10/100/1000 Support with Auto MDIX Support
CAN	2 CAN Ports 125kb - 1Mb

I/O MODELS	
HE-EXV1E0	No Built-in I/O
HE-EXV1E2	12 DC in, 6 Relay Out, 4 - 12-bit Analog In
HE-EXV1E3	12 DC in, 12 DC Out, 2 - 12-bit Analog In
HE-EXV1E4	24 DC in, 16 DC Out, 2 - 12-bit Analog In
HE-EXV1E5	12 DC in, 12 DC Out, 2 - 14/16-bit Analog In (mA/V/Tc/mV/RTD), 2 - 12-bit Analog Out
HE-EXV1E6	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: 303.3x 230.6 x 61.7 in: 11.94 x 9.08 x 2.43
Weight	4.35 lbs or 1973.1g