HORNER
AUTOMATION GROUP

MADE IN USA CE c UL us

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

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-MDX) 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.

HA-129R7

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/m²
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 Support with Auto MDX 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

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