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.

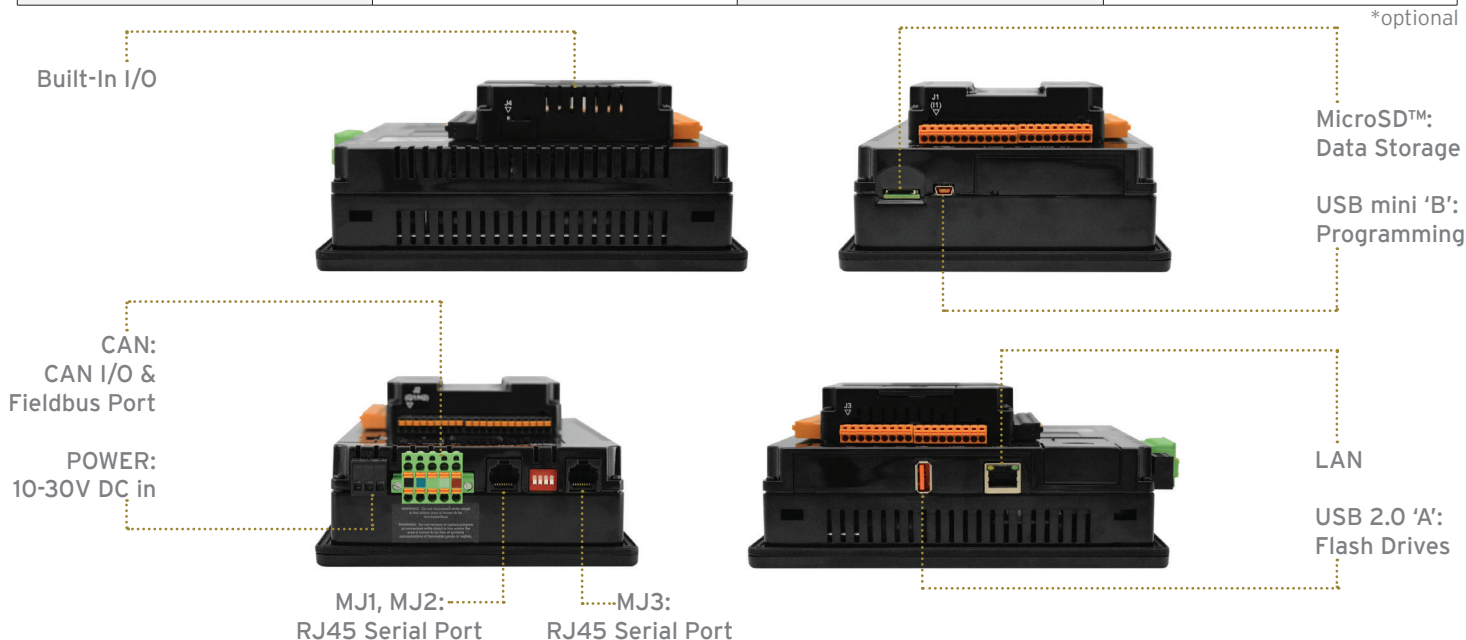## Online Programming & High-Speed USB 2.0

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.

EXL6 Specifications

General Specifications		Control & Logic Specifications	
Required Power (steady state)	95mA @ 24 VDC; 190mA @ 12 VDC	Control Language Support	Adv. Ladder & Full IEC 1131-3
Primary Power Range	10-30Vdc	Logic Size (scan rate)	1MB, max (0.013mS/K)
Relative Humidity	5 to 95% Non-condensing	Online Programming	Supported in Adv. Ladder
Operating Temp	-40 to +60°C*	I/O References Supported	4096 Digital & 1024 Analog
Storage Temp	-40 to +70°C	General Purpose References	50,000 Words & 32,768 bits

*optional

Built-In I/O

MicroSD™: Data Storage

USB mini 'B': Programming

CAN: CAN I/O & Fieldbus Port

POWER: 10-30V DC in

LAN

USB 2.0 'A': Flash Drives

MJ1, MJ2: RJ45 Serial Port

MJ3: RJ45 Serial Port

EXL6 Model Numbers

Part #	Description
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

HE-XCK Programming Cable Kit Includes

USB to Mini USB Adapter Cable
USB to RS-232 Serial Adapter Cable
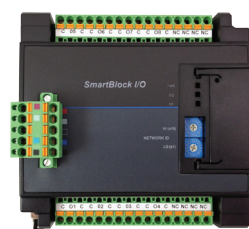RS-232 Serial to RJ45 Ethernet Adapter Cable

Expansion & Remote I/O and Accessories

SmartRail Modular I/O

SmartStix Terminal Block I/O

SmartBlock Specialty I/O

XL Series COM Options