XL15+ OCS

Bigger Just Got Better, and Then Some

Raising industry standards through an impressive screen, revolutionary speed, unlimited control, and unprecedented I/O and connectivity.

XL15+ AT A GLANCE

▌ Dual Core CPU for ultra fast control and advanced graphics

▌ 15" XGA color touchscreen 500 cd/m² with enhanced optics

▌ External display support – display your process on a 1080p TV or monitor

▌ One, singular software package for everything – easy integration between screens and control

▌ Dual 10/100/1000 (Auto-MDIX) Ethernet for Modbus TCP C/S, HTTP, FTP, SMTP, Ethernet IP

▌ USB 2.0 Ports for programming, video, FLASH drive support, and future enhancements

▌ 128GB microSD slot for app updates and virtually unlimited data logging

▌ Built-in digital and analog I/O with quad 500kHz high-speed counters

COMPREHENSIVE CONNECTIVITY

In realm of connectivity, no other controller can match the offerings of the XL15+. With three serial ports, dual Ethernet, dual CAN, four USB, mini Display Port (HDMI), mic and audio connectors, the possibilities are limitless. The functionality of the dual Ethernet allows for local and internet connectivity for ultimate security. Protocols include email, FTP, Modbus, WebMI, and dozens of others.

INDUSTRY-LEADING CONTROL

The high-speed dual core CPU of the XL15+ delivers the ultimate control performance. The controller can be programmed with advanced ladder or IEC (ST, LD, FBD, IL, SFC). The integrated screen development of the XL15+ allows creation of quick, attractive graphics.
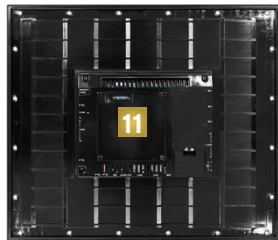
EXTENSIVE I/O AND COMMUNICATIONS

In addition to exceptional display performance, the XL15+ contains a powerful logic engine with built-in digital and analog I/O and online programming capability. The flexibility of the high-speed counter and almost limitless remote I/O options ensure the integrated setup of the XL15+ is compatible with your requirements.
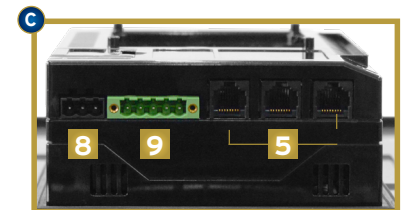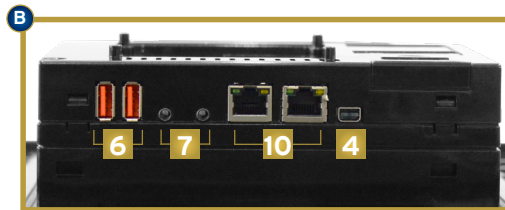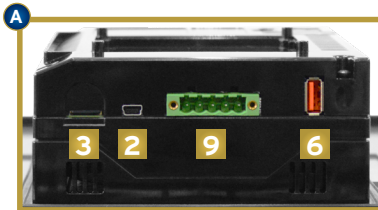
ENHANCED MULTIMEDIA

The display benefits end-users by providing high visibility and allowing the XL15+ to be used in a variety of ambient lighting conditions. The XL15+ leads the industry through its high-resolution screen with enhanced optics; video playback (great for instructions); video through USB (ideal for monitoring); audio recording and playback (used for notes, instructions, or alerts); external display; dynamic objects (trends, gauges, note pads); and years of planned enhancements.

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SPECIFICATIONS AND TECHNICAL INFORMATION

PHYSICAL CHARACTERISTICS

1 Virtual function keys slide in from the right on command
2 USB mini-B port
3 High capacity microSD slot
4 Mini display port (future feature)
5 3 RS232/RS485 serial ports
6 USB A ports (3)
7 Mic input / Audio output
8 Wide-range DC power
9 Dual CAN port
10 Dual Ethernet LAN port
11 Optional built-in I/O

CONTROLLER	
CPU	Dual Core ARM with Video Accelerators
Logic Scan Rate	0.006 mS/K
Built-In Storage	4GB
Removable Memory	128GB microSD / 2TB USB
Retentive Storage	512K Battery-Backed Ram
Programming Languages	Advanced Ladder or IEC: ST, LD, FBD, IL, SFC

USER INTERFACE	
Display Technology	15" TFT Color 500 cd/m^2
Resolution / Color	1024 x 767 / 16 Million Colors
Touch Screen	Resistive with Laminated Cover

CONNECTIVITY	
Serial Ports	3 Ports with RS-232 and RS-485
USB Ports (A and Mini-B)	3 Host, 1 Programming
Ethernet	Dual 10/100/1000 Support with Auto MDIX Support
CAN	Dual Isolated 125K – 1 MB

I/O MODELS	
HE-XP7E0	No Built-in I/O
HE-XP7E2	12 DC in, 6 Relay Out, 4 – 12-bit Analog In
HE-XP7E3	12 DC in, 12 DC Out, 2 – 12-bit Analog In
HE-XP7E4	24 DC in, 16 DC Out, 2 – 12-bit Analog In
HE-XP7E5	12 DC in, 12 DC Out, 2 – 14/16-bit Analog In (mA/V/Tc/mV/RTD), 2 – 12-bit Analog Out
HE-XP7E6	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	mm: 320 tall x 370 wide x 79 deep in: 12.6 tall x 14.6 wide x 3.1 deep
Weight	3.46kg / 7.63lb