



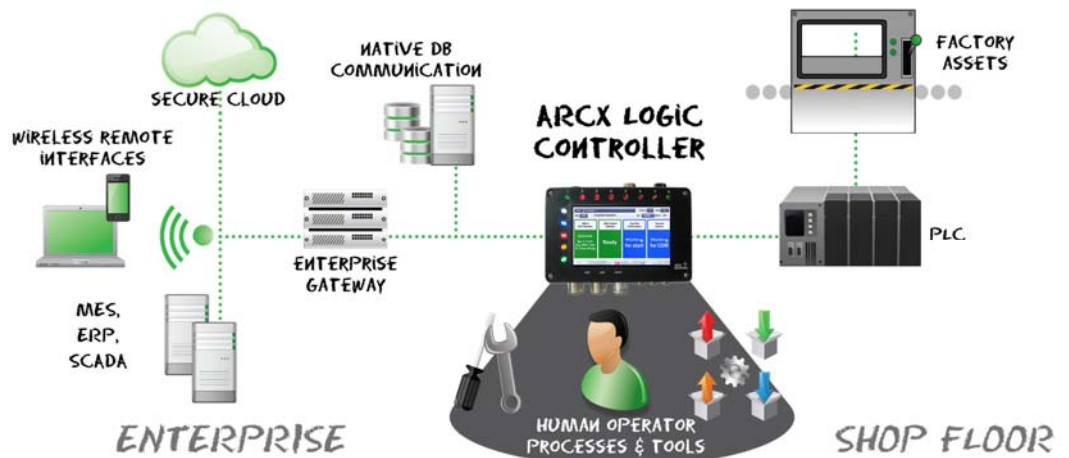
The uP logic controller is a high performance, flexible factory integration device that replaces separate HMIs, PLCs, network interfaces, database gateways and multiple I/O.

APPLICATIONS

- Advanced materials handling and replenishment
- Operator/tool assist (poka yoke)
- Automated device testing

FEATURES & BENEFITS

- Supports concurrent network protocols including Ethernet/IP, DeviceNet, FL-net, TCP/IP, Profibus and others
- Webservice communication with common database platforms
- Connect shop floor devices and business IT systems
- Remote management and troubleshooting via web browser on any device
- Bundled simulation software for pre-commission system design and testing
- Custom app development in JavaScript and XML using the uP API

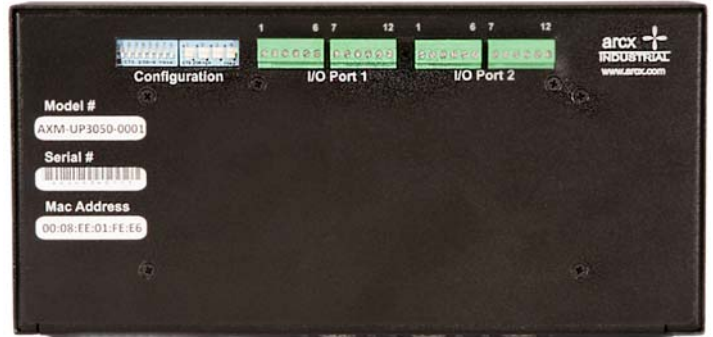


uP logic controllers represent the next-generation of integrated automation control devices. Built on high-performance, open-platform industrial technologies, they replace more expensive systems that typically require separate HMIs, PLCs, network interfaces, database gateways and I/O. Using Ethernet/IP, DeviceNet, Profinet, Profibus, FL-net and other industry protocols, the device provides reliable connectivity to a variety of common PACs, automation equipment, plus directly to database servers and business IT systems. Sensors, actuators, and tools connect to the extensive built-in I/O ports. The device is easily programmed, using open standard languages, allowing for simple to sophisticated applications. Free or low-cost development tools allow for programming on the device directly, remotely, or on a PC with full simulation.

Technical specifications

Model #	AXM-UP3062	AXM-UP3072
Performance	4 Core ARM Cortex A9 (iMX6 QUAD) 1GHz max, 400MHz standby	
Memory	2 - 4Gbyte DDR3-1066, 16Mbyte NOR, 8 - 64Gbyte eMMC	
User Interface		
LCD	800x480 @ 16 bpp, 320nits, C/R 240	
Touch panel	4-wire resistive	
Optional video out 1	1080p60Hz	1080p60Hz
Audio out	STEREO (via HDMI)	
Audio in	-	
Internal stacklight	5 high-brightness LEDs, vertically aligned (red, yellow, green, white, blue)	
HID Reader	Integrated 125KHz RFID Reader for Weigand badges	
Input / Output		
24V inputs NPN/PNP	4 *	4 *
Analog inputs (0-10V)	2 **	2 **
24V outputs NPN/PNP	-	-
Analog outputs (0-10V)	2	2
Optically isolated inputs	2	2
Form C relay outputs	2 Form C, 1 Form A	
Ext. stacklight connection	5-pin mini change (8-pin optional)	
Communication		
RS-232 ports	3 x 9pin DSUB 115K Baud max	
PoE 802.3at	YES	YES
Ethernet 1	10/100/1000	10/100/1000
Ethernet 2	-	100Mb FLNET
CANbus/DeviceNET	5 PIN terminal block	
Fieldbus protocols	Ethernet/IP	Ethernet/IP & FLNET
USB 2.0 Host	1	1
USB 2.0 OTG	1	1
Physical		
Power	24Vdc (7watts)	
Power terminal	3pin Terminal Strip	
Power over Ethernet	802.3at	802.3at
Weight	4 lbs	4 lbs
Size	10" x 5" x 2"	
Temperature	Storage temperature: -40°C to +85°C Operating temperature: -5°C to +45°C Humidity: 40% non-condensing	
Vibration	5-17Hz, 0.1" double amplitude displacement 17-640Hz, 1.5G acceleration peak to peak	
Shock	10G (11mS) peak-to-peak acceleration	
Enclosure	IP41 powder coated Aluminum	
Network Protocols		
	EtherNET/IP Client&Server***, CIP***, FLnet, WEBsockets, TCP/IP, ProfiNet***, DeviceNet***, CC-Link ProfiBus***, ModBus***, OPC UA Nano profile	
Warranty		
	1 year limited	
Software Support		
	Linux 4.1.15, Android 6.x Webkit, Qt, FlexframeUX, WAT	
* Inputs NPN or PNP are DIP SWITCH Selectable, these inputs are also analog inputs		
** These analog inputs can be used for 0-10V or 4-20mA via DIP SWITCH selection		
*** These Certified Protocol Stacks are provided by Real Time Automation		

30xx back panel

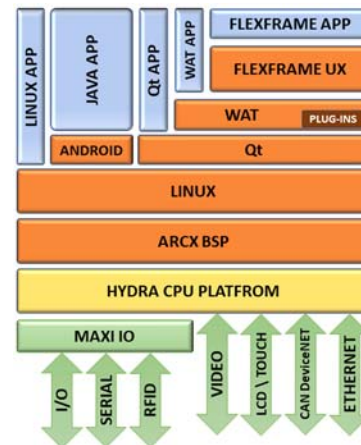
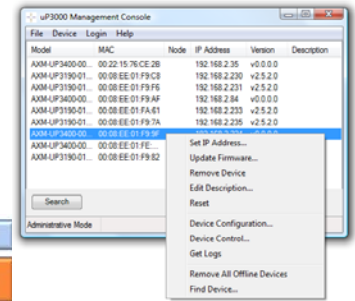


30xx bottom panel

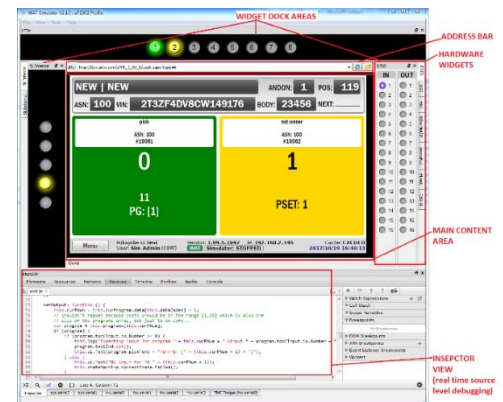


Device management and development tools

Configure and manage the connectivity of multiple units using the AxMC network device manager. Remotely manage and troubleshoot via Chrome web browser on desktop or mobile device.



Use the API to build custom apps using JavaScript and XML.



Simulate applications using the development environment.

Ordering information

Description	Part
Automation controller with integrated color-touch panel HMI with ENET/IP, mini digital and analog I/O board, HID, integrated stack light, HDMI Video S/W option	AXM-UP3062-0001
Automation controller with integrated color touchpanel HMI, FL-net, mini digital and analog I/O board, HID, integrated stack light, HDMI video S/W option	AXM-UP3072-0001
Accessories	
UP30xx mounting bracket	AXM-UP30XX-B001
uP30XX power supply and cable; 120VAC to 24VDC (32W) barrel connector	AXM-UP3000-C110



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