UniStream® Built-in 7"

This new line of PLC+HMI+I/O controllers offers a 7" high-quality integrated display, and is available in a broad range of expandable, built-in I/O configurations. Compact, connected, UniStream Built-in 7" is available in Standard (B5) and Pro (B10) models. Both versions support advanced communications including MQTT, VNC, FTP, SNMP, email and SMS messaging. The Pro version also offers built-in Webserver, video support and SQL—a plus for OEMs facing Industry 4.0.

UniStream benefits include auto-tuned PID, data logging, data tables and Recipes, data sampling displayed via built-in Trends and Gauges, Alarms, multi-level passwords, and plug & play communications for CANopen, CAN Layer2, MODBUS, EtherNet/IP, and more.

The UniStream Built-in series brings you all the award-winning features of the UniStream line in a superbly compact hardware profile, to benefit OEMs who need space-saving controllers that both deliver the functionality to control complex machines, and boost competitive advantage via color-touch HMI panel.
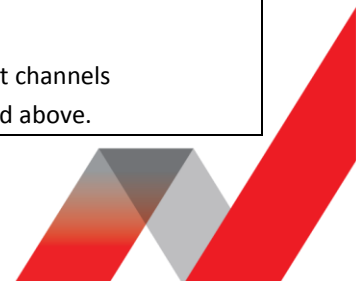
UniStream 7" Built-in FAQ:

What are the main differences between UniStream 7" and UniStream 7" PRO?

		UniStream 7" (B5)	UniStream 7" Pro (B10)
Ports	Audio Jack	No	Yes
Communication	Web Server	No	Yes
	Video + RTSP	No	Yes
	SQL Client	No	Yes

What are the differences between the models?

UniStream 7" Model	Summary
US7-B5-B1 US7-B10-B1	These models do not have built-in I/Os. I/Os can be added via UniStream Remote I/O or UAG-CX adapters as described above.
US7-B5-TR22 US7-B10-TR22	• 10 Digital inputs, 24VDC, sink/source • 2 Analog inputs, 0÷10V / 0÷20mA, 12 bits • 2 Transistor outputs, npn, including 2 High speed PWM output channels • 8 Relay outputs • I/Os can be added via UAG-CX adapters as described above.
US7-B5-T24 US7-B10-T24	• 10 Digital inputs, 24VDC, sink/source • 2 Analog inputs, 0÷10V / 0÷20mA, 12 bits • 12 Transistor outputs, pnp, including 2 PWM output channels • I/Os can be added via UAG-CX adapters as described above.

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US7-B5-RA28 US7-B10-RA28	• 14 Digital inputs, 24VDC, sink/source, including 2 High speed counter input channels • 2 Analog inputs, 0÷10V / 0÷20mA, 14 bits • 2 Temperature inputs, RTD / Thermocouple • 8 Relay outputs • 2 Analog outputs, 0÷10V / -10÷10V / 0÷20mA / 4÷20mA, 12 bits • I/Os can be added via UAG-CX adapters as described above.
US7-B5-TA30 US7-B10-TA30	• 14x Digital inputs, 24VDC, sink/source, including 2 High speed counter input channels • 2x Analog inputs, 0÷10V / 0÷20mA, 14 bits • 2x Temperature inputs, RTD / Thermocouple • 10x Transistor outputs, pnp, including 2 PWM output channels • 2x Analog outputs, 0÷10V / -10÷10V / 0÷20mA / 4÷20mA, 12 bits
US7-B5-R38 US7-B10-R38	• 24x Digital inputs, 24VDC, sink/source, including 4 High speed counter input • 2 x Analog inputs, 0÷10V / 0÷20mA, 12 bits • 12 Relay outputs
US7-B5-T42 US7-B10-T42	• 24x Digital inputs, 24VDC, sink/source, including 4 High speed counter input • 2 x Analog inputs, 0÷10V / 0÷20mA, 12 bits • 2x Analog outputs, 0÷10V / -10÷10V / 0÷20mA / 4÷20mA, 12 bits • 16x Transistor outputs, source (pnp), including 2 PWM output channels

Can I expand?

Yes! As of this release, you can expand all B5 and B10 models using both, or either, of the methods listed below:

- Via Uni-I/O short-range I/O expansion adapters and Uni-I/O modules.
  Note: The **first** adapter plugged into UniStream 7" Built-in (just as in the case of UniStream 5") **must** be from the CX series I/O expansion - UAG-CX-XKP125 or UAG-CX-XKP300. You can then continue expanding by adding standard UniStream adapters from the UAG-XP/UAG-XPL series.

- Via UniStream Remote I/Os expansion adapters and modules (Ethernet-based).
  Note: Each adapter comprises two Ethernet ports; this enables users to link an adapter to a controller's Ethernet port, and then daisy-chain adapters to support up to 8 adapters per controller. A single UniStream Remote I/O adapter can support up to 63 UniStream Remote I/O modules/

What are my COM Options?

UniStream 7" Built-In has built-in ports: 1 Ethernet, 1 USB host, 1 Mini-B USB device port, 2 Serial and 1 CANbus ports may be added via UAG-CX modules**.**