

UNISTREAM® Modular

3 steps to an All-in-One controller: select HMI panel, add the powerful CPU, and snap on any I/O and COM modules. Expands up to 2048 I/Os.

Features:

HMI

- Size: 7", 10.4" or 15.6"
- High quality touch screen. UniStream 10.4" is also available with Multi-Touch screen
- Multi-language display
- Built-in Alarm Screens
- Media support: Video, Audio and PDF viewer
- Multi-level password protection – easy and fast

PLC

- I/O options include digital, analog, high speed, temperature, and weight measurement
- Expand up to 2048 I/Os
- Auto-tune PID, up to 64 independent loops
- Recipes & data logging via data tables & sampling
- MicroSD card - log, backup, clone & more
- Function Blocks & Structs

Communication

Built-in ports:

- 1 CANbus
- 2 Ethernet TCP/IP
- 1 RS485
- 2 USB host
- 1 Mini USB for programming

Add-on ports:

- Up to 8 RS232 (Using UAC-02RS2)
- Up to 4 RS232 + 4 RS485 (Using UAC-02RSC)

Protocols:

- MQTT Client
- EtherNet/IP
- MODBUS: Serial & TCP/IP
- CANopen, CANlayer2, UniCAN
- SNMP
- BACnet, KNX and M-Bus via gateway
- Message Composer for 3rd party protocols

General Features:

- SQL Client
- Web Server
- FTP server & client
- E-mail & SMS
- Remote access via VNC
- 3G Modem support



UniStream® 7"



UniStream® 10.4"

Available with Multi-Touch



UniStream® 15.6"

	UniStream 7	UniStream 10.4	UniStream 15.6
Article Number	USC-P-B10 • USP-070-B08/USP-070-B10	USC-P-B10 • USP-104-B10/USP-104-M10	USC-P-B10 • USP-156-B10
I/O Options	2048 (See I/O Expansion Modules- page 15)		
Total supported I/Os			
Onboard I/O modules	Fit up to 3 slim or 2 wide I/Os ¹	Fit up to 5 slim or 3 wide I/Os ¹	
I/O Expansion	Add Local I/O via expansion port • Add Remote I/Os via CANbus		
Local I/O Expansion	Use Local Expansion Adapters to add up to 80 slim or 50 wide modules ¹		
Remote I/O Expansion	Use EX-RC1 adapters to add I/Os via CANbus ²		
Onboard COM modules	Supports up to 3 COM modules ¹	Supports up to 4 COM modules ¹	
Program	8 MB		
Application Memory			
HMI Panel			
Touch screen	Resistive, Analog	Resistive, Analog / Multi-Touch	
Viewing Area Height x Width (mm)	USP-070-B08: 152.4 x 91.44 USP-070-B10: 154.08 x 85.92	211.2 x 158.4	
Cut Out Height x Width (mm)	134.0 x 196.0	214.0 x 281.0	
Resolution	800 x 480 (WVGA)	800 x 600 (SVGA)	
Keys	Virtual Keyboard		
Environment			
Protection	IP66, IP65 and NEMA4X when panel-mounted ³		
Operating Temperature	-20°C to 55°C		0°C to 50°C
Standard	UL, CE, Class 1 Div 2 and GOST		
General			
Battery	4 years typical at 25°C, battery back-up for memory and RTC		
Clock	Real-time clock functions (date and time)		
Power Supply	12/24VDC ⁴		

Local Expansion Adapters

UAG-XK125	Short Range Kit, 125 cm
UAG-XKP125	Short Range + embedded Power Supply Kit, 125 cm
UAG-XK300	Short Range Kit, 300 cm
UAG-XKP300	Short Range Kit + embedded Power Supply, 300 cm
UAG-XKPLXXX	Long Range + embedded Power Supply, lengths: 600, 1200, 1500, 2000, 3000cm

Uni-COM™ Communication Modules¹

UAC-01RS2	1x RS232
UAC-02RS2	2x RS232
UAC-02RSC	1x RS232 port and 1x RS485 port

¹ Onboard Modules, I/O and COM: the total number of modules, both I/O and COM that you can snap onboard an HMI panel is limited by the size of the panel.

I/O modules are "Slim" & "Wide". 1 "Wide" I/O module = 1.5 "Slim" or COM module.

² EX-RC1: via CANbus, integrate standard Unitronics' I/O modules at distances of up to 1000m.

³ UniStream complies with IP66 and NEMA4X only if audio-jack seal is installed. Refer to HMI panel installation guide.

⁴ 12V applies to PLC power supply only, and not to the I/O.