



i4 Automation

CONTROLLERS | MOTION | CLOUD & ACCESSORIES

# ONE

— INTEGRATED —  
SOLUTION

for Control & Automation

Programmable Logic Controllers

Motion Control

Powerful Software

Cloud Platform



**i4 Automation**

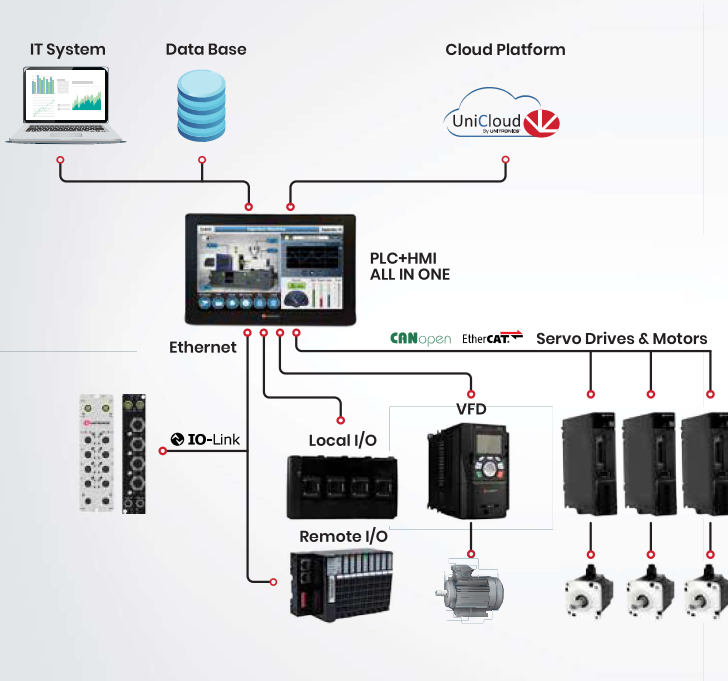


**PLC  
+HMI**  
ALL IN ONE

# UNITRONICS

## ALL-IN-ONE, SEAMLESS INTEGRATION

FULL RANGE OF POWERFUL PLCs AND HMI |  
COMPLETE LINES OF VFDs AND SERVOS | CLOUD PLATFORM |  
NO CHARGE FOR SOFTWARE & SUPPORT.



**ONE**  
— INTEGRATED —  
**SOLUTION**  
for Control & Automation

**THE SINGLE-SOURCE CONCEPT ELIMINATES COMPATIBILITY ISSUES**

### A TRULY INTEGRATED AUTOMATION PLATFORM

- ✓ **Everything Works Together – Because It Was Built Together.**  
PLCs, HMIs, AC Servo Drives, VFDs, and IIoT tools are all developed as one complete system.
- ✓ **Lower Costs, Fewer Surprises –** No license fees, no hidden charges, and no recurring costs. What you see is what you get—including software updates and tech support.
- ✓ **Scales with You –** Whether you're building a compact machine or managing a multi-site system, the same platform scales according to your needs—no added complexity, no new tools to learn.

# CONTROL & AUTOMATION

## CONTROLLERS: A COMPLETE RANGE

PLC + HMI, PLC, Cloud-inside controllers.

- **UniStream** - Easily execute challenging projects
- **Vision** - For advanced machines & automation projects
- **Samba** - Ideal for small machines that require graphic display
- **Jazz** - Great for simple control—text-only HMI + keypad

## MOTION CONTROL: COMPLETE LINES OF VFDS & SERVOS

Motion made Simple.

- Easy to use **drag and drop**
- **Built-in** Diagnostics
- **Communications:** Instant with all Unitronics products
- **VFDS:** High performance, cost-effective
- **Servos:** Ready-made Motion code, PLCopen function blocks

## ALL-IN-ONE PROGRAMMING SOFTWARE

At no extra charge.

- **Program** control tasks
- **Design** HMI & Web pages
- **Motion-** VFDS and AC Servo Drives
- **Configure** Hardware and Communications



## NO-CODE IIOT CLOUD PLATFORM: UNICLOUD

Designed for Machine Builders.

- **Increase Profit** - Analyze data to reduce costs
- **Secure** - ISO27017 certified
- **Simple** - No IT knowledge needed
- **Get up and running within 30 minutes**

# PROGRAMMABLE LOGIC CONTROLLERS

High performance control solutions that meet the demands of diverse industries. With an extensive range of configurations, seamless integration, user-friendly programming, and scalable functionality, Unitronics PLCs offer reliable control for everything from basic machines to complex automation systems.



## UNISTREAM SERIES

### Award-winning PLCs Series

Powerful controllers with rich embedded communications, rugged durability, and built-in IIoT capabilities - available as PLC with integrated HMI or as a standalone PLC.



## VISION SERIES

All-in-one PLCs with built-in HMI and I/Os - ideal for reducing wiring and panel space in small to medium applications.



## SAMBA SERIES

Designed for small-scale automation, this controller combines a full-function PLC, onboard I/Os, and touchscreen - ideal where panel space and cost matter.



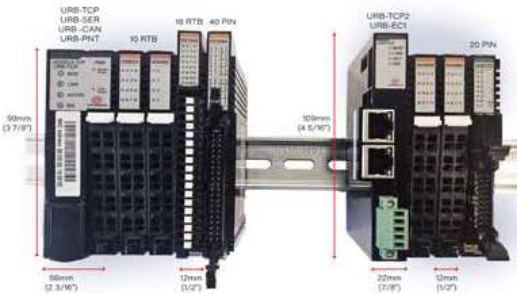
## JAZZ SERIES

Text-display controller with built-in I/Os and full PLC capabilities - reliable, space-saving, and well-suited for simple control applications.

# REMOTE I/O VIA ETHERNET



- Ethernet based
- Up to 63 I/O modules per adapter
- Slim modules - only 12mm
- 16-bit Analog Resolution
- Operating temperature: (-40°C) to 70°C / -40°F to 158°F



**Dimensions:** 12mm (1/2" slice width).

**High Density:**

Up to 32 I/O points per slice, more than 1500 I/Os on an 800 mm (31 1/2") DIN-rail.

**Advanced Mechanical Design:**

Cabling suspension, RTB release button, DIN-rail locking.

**Certifications:** CE, UL, FCC

**Wide Operating Temperature Range:**

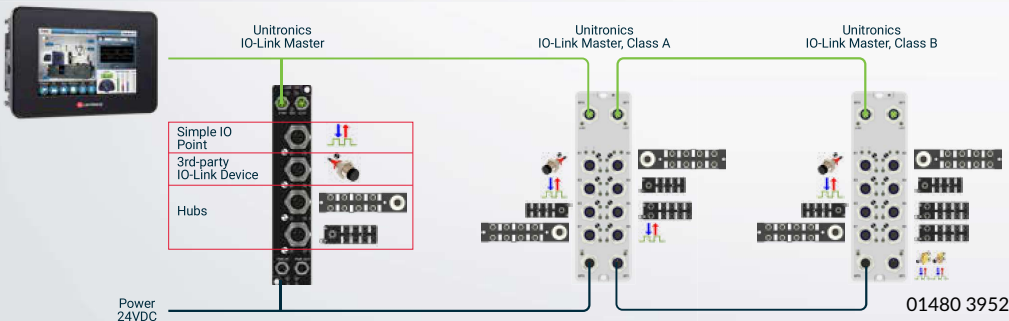
UL: (-40°C) ~ 70°C / (-20°C) ~ 60°C

UL: (-40°F) ~ 158°F / (-4°F) ~ 140°F

# IO-LINK: SEAMLESS INTEGRATION WITH UNISTREAM SERIES



UniStream controllers support IO-Link MASTER via EtherNet/IP with simple drag & drop setup—no coding needed!





# UNICLOUD: THE NO-CODE IIOT PLATFORM BUILT FOR MACHINE BUILDERS

**Connect. Monitor. Optimize.** In Less Than 30 Minutes.

UniCloud is a fully integrated Industrial IIoT platform designed specifically for OEMs and machine builders. With zero coding required, you can securely connect machines, monitor performance, and optimize operations—without IT teams, complex setup, or hidden costs.

## TURN DATA INTO BUSINESS VALUE

### Convert Machine Data Into Insights, Revenue & Savings



#### MEET YOUR CUSTOMERS' DEMANDS

Offer an advanced Industry4.0 Smart Solution, suited to today's competitive, dynamic market.



#### INCREASE YOUR REVENUES

Via service-level agreements, add-on services, and spare parts or consumables.



#### EXPAND YOUR BUSINESS

Offer new business models such as pay-per-use made possible by your ability to track and automatically analyze machine data



#### SAVE ON COSTS

Replace fixed maintenance schedules with condition-based, preventive maintenance—reducing on-site service visits.



#### BUILD YOUR COMPETITIVE ADVANTAGE

Design machines with higher efficiency based on real-world performance data.



# AUGMENTED REALITY (AR): SEE BEYOND THE MACHINE

## SMARTER MAINTENANCE, FASTER TROUBLESHOOTING.

UniCloud AR overlays real-time PLC data directly onto machines, transforming maintenance and troubleshooting into an intuitive, visual experience.



### Accelerated Troubleshooting

Technicians and operators can visualize live machine data directly on equipment. You get step-by-step guidance eliminating guesswork.



### Increase Spare Parts & Consumables Sales

AR can highlight wear-and-tear components in real-time, prompting proactive replacements. Ensures faster maintenance and increased sales opportunities.



### See Machine Data in Context

Get performance metrics right where they matter—on the machine itself.

UniCloud AR doesn't just improve efficiency—it transforms how teams interact with machines, making troubleshooting, and maintenance simpler, faster, and more effective.





# ROUTERS

## 4G LTE CONNECTIVITY . FLEXIBLE . SECURE . SIMPLE

Use as a standalone industrial router, UniCloud gateway, or to enable secure remote access for Unitoronics controllers—one device, multiple roles.

**Dual functionality:** serves as a cellular 4G LTE router and as a UniCloud gateway for Vision, Samba, Jazz, and 3rd party devices.

- Embedded Firewall for Robust Security, Remote Monitoring and Control
- Geo-Location via GNSS (GPS)
- Send SMS via Ethernet
- On-board Digital & Analog I/O

### BUILT-IN FIREWALL

Protects networks with embedded security features.

### CONNECTIVITY

WAN / LAN / Cellular / Wifi

### SMS OVER ETHERNET

Send/receive text messages through network interface.

### GPS TRACKING

Location services for asset monitoring and fleet control.



# SERVO DRIVES & MOTORS

## B5 & E5-S SERIES

**SERVO MADE SIMPLE:**  
**PRECISION MOTION. INTEGRATED SIMPLICITY.**

CANopen EtherCAT<sup>®</sup>

Unitronics Servo Drives & Motors deliver fast, accurate, and reliable motion control. Built for seamless integration with Unitronics PLCs, they offer complete, synchronized control— **without complex setup or third-party tools.**

Whether you're designing a machine from scratch or upgrading an existing application, Unitronics offers a complete motion solution: **servo drives, motors, PLC + HMI, and free software—all from one vendor.**

### HARDWARE

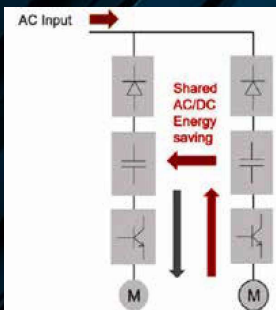
Wide servo power range: 50W to 7.5 kW / 0.06 – 10 hp	Motors: Low and medium inertia motors	23-bit high-resolution absolute encoders	Built-in communications: EtherCAT or CANopen
Common DC bus saves energy	Built-in braking resistors <sup>1</sup>	Built-in STO <sup>2</sup>	IP 65 / 67 motors <sup>3</sup>

<sup>1</sup> 50 W - 400 W products without built-in brake. 750 W and above provides built-in braking resistor.

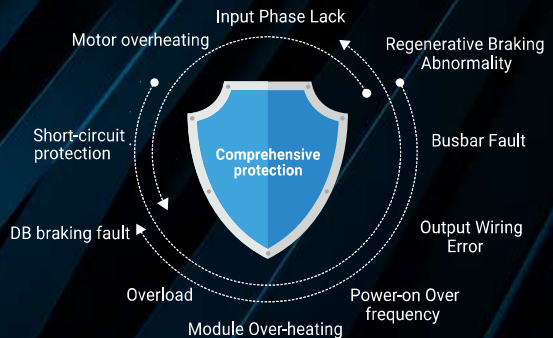
<sup>2</sup> Only for EtherCAT drives.

<sup>3</sup> Depends on motor series.

### SAVE ENERGY & IMPROVE EFFICIENCY



### COMPREHENSIVE PROTECTION



# READY-MADE MOTION CODE - GET MOVING IMMEDIATELY – NO PROGRAMMING NEEDED!

**Free Ready-Made Motion code** is available for VFDs and Servos, and comprises HMI screens and Motion control functions.

Simply download the code to your application, and tap a panel – even mobile – to:



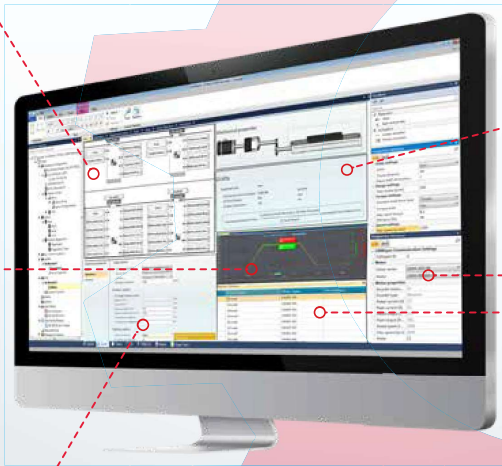
**Set motion parameters**

**Monitor Axis behavior and I/Os**

**Execute movements, such as Point-to-Point, Jog, and Homing**

**Motion Control programming:**  
drag & drop function blocks

**Test & view performance**  
via built-in powerful, high-speed scope



**Add Axes, drag & drop actuators;** UniLogic automatically converts units

**UniLogic automatically defines the correct configuration & sets up communications**

**Analyzes mechanical properties,** and recommends safe values





# BETTER TOGETHER: SERVO AND PLC IN SYNC.

## SOFTWARE

Combine Unitronics Servos with our PLCs and get full control, fast.

**Drag & Drop PLCopen FBs**  
Software automatically suggests safe limit values

**Synchronized**  
Multi Axis Motion Control

**Free, Ready-Made Motion Code**  
Commission & test your system

**Control up to 8 Axes**

**Auto-tuning**  
No trial-and-error

**Touch Probe Function**

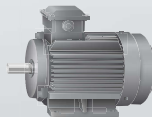
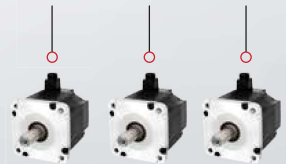


UniStream PLC



**CANopen EtherCAT**  
Servo Drivers & Motors

VFD



**ONE  
SOFTWARE.  
TOTAL  
CONTROL.**

**UniLOGIC**  
Studio

# i4 Automation



UK Stock

UK Training

UK Support



[www.i4automation.co.uk](http://www.i4automation.co.uk)

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