

## **UniStream® Remote I/Os**

We are pleased to announce a new addition to the UniStream family of products: **UniStream® Remote I/O**. This new line comprises an Ethernet-based Remote I/O adapter and I/O Remote modules.

A single UniStream Remote I/O adapter can support up to 63 12mm-wide I/O modules. Each adapter comprises two Ethernet ports; this enables users to link an adapter to a controller, and then daisy-chain adapters to support up to 8 adapters per controller, increasing the total number of I/Os supported by a single UniStream.

This new line offers a broad range of modules with each module offering a different configuration of analog, digital I/Os, and soon to come we will offer temperature inputs modules.

### **Remote I/O Adapter:**

| Article #  | Description                          | Number of Adapters per PLC | Number of I/O Modules per Adapter |
|--|--------------------------------------|----------------------------|-----------------------------------|
| URB-TCP  | Unistream Remote IO Ethernet Adapter | 8                          | Up to 63*                         |
| The exact number of I/O modules per adapter is dependent on the I/O modules used.<br>For more information, refer to UniStream Remote I/O user manual in the Unitronics Technical Library |                                      |                            |                                   |

### **Remote I/O Modules (Inputs only):**

| Article   | Description                              | Inputs  |        |
|-----------|--|---------|--------|
|           |  | Digital | Analog |
| URD-0800  | 8 Digital inputs (sink or source), 10RTB | 8       | -      |
| URA-0400O | 4 Analog Current Inputs 12bit, 10RTB     | -       | 4      |
| URA-0800O | 8 Analog Current Inputs 12bit, 10RTB     | -       | 8      |
| URA-0400P | 4 Analog Voltage Inputs 12bit, 10RTB     | -       | 4      |
| URA-0800P | 8 Analog Voltage Inputs 12bit, 10RTB     | -       | 8      |
| URA-0400T | 4 Analog Current Inputs 16bit, 10RTB     | -       | 4      |
| URA-0400U | 4 Analog Voltage Inputs 16bit, 10RTB     | -       | 4      |



**Remote I/O Modules (Outputs only):**

| Article    | Description                           | Outputs    |       |        |
|------------|---------------------------------------|------------|-------|--------|
|            |                                       | Transistor | Relay | Analog |
| URD-0004RH | 4 Relay Outputs, 10RTB                | -          | 4     | -      |
| URD-0008NH | 8 Digital Outputs (Sink), 10RTB       | 8 (Sink)   | -     | -      |
| URD-0008CH | 8 Digital Outputs (Source), 10RTB     | 8 (Source) | -     | -      |
| URA-0004W  | 4 Analog Current Outputs 12bit, 10RTB | -          | -     | 4      |
| URA-0008W  | 8 Analog Current Outputs 12bit, 10RTB | -          | -     | 8      |
| URA-0004X  | 4 Analog Voltage Outputs 12bit, 10RTB | -          | -     | 4      |
| URA-0008X  | 8 Analog Voltage Outputs 12bit, 10RTB | -          | -     | 8      |
| URA-0004Y  | 4 Analog Current Outputs 16bit, 10RTB | -          | -     | 4      |
| URA-0004Z  | 4 Analog Voltage Outputs 16bit, 10RTB | -          | -     | 4      |

**Remote I/O Power Module:**

| Article   | Description                              |
|-----------|--|
| URP-PS24V | Input 24VDC, Output system Power 5VDC/1A |



## UniStream Remote I/Os FAQ:

### How do I configure UniStream Remote I/O?

You configure Remote I/Os in UniLogic, using the Hardware Configuration editor.

### How do I connect them to the controller?

Via Ethernet cable. For exact specifications, refer to the UniStream Remote I/O User Guide in the [Technical Library](#) on Unitronics website as of September 17<sup>th</sup>, 2018.

### How many Remote I/Os I can connect?

You can connect up to 8 Remote I/O adapters to a single UniStream, and up to 63 I/O modules to each adapter. However, note that the exact number of I/Os that can be included per adapter is dependent on the specific I/O connected to that specific adapter. For more information, refer to the Remote I/O user manual in the Unitronics Technical Library.

### New UniStream Remote I/O and existing Uni-I/O – can I use them at the same time?

You may use both lines in the same application at the same time.

Since the two lines communicate via different protocols and physical connections:

- They work independently of each other
- You can use both lines with the same controller at the same time.

**Please note:** the adapters and modules of each line are **not interchangeable**.

### You may only use:

- Uni-Local Expansion Adapters with Uni-I/O modules
- UniStream Remote I/O Adapters with UniStream Remote I/O modules

### What standards do they support?

CE and UL.

### What is the Operating temperature range?

The operating temperature range is -40°C to 70°C, where the UL certified temperature range is -20°C to 60°C.

