

## **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.			
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 6<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.

