

Cylon Unitron UC32

Niagara Framework Driver

The Cylon driver connects Cylon Unitron UC32 controllers directly to Tridium Niagara via the UC32.net TCP/IP protocol, providing a modern replacement for legacy Cylon front-end software.

Existing Cylon controllers require no reprogramming. The driver communicates over standard Ethernet, eliminating the need for gateways or protocol converters. The existing Cylon front-end can coexist on the same network during commissioning.

Device points are discovered automatically, and the driver provides full read, write, and hardware I/O override capabilities. Configurable polling rates allow you to optimize performance for any installation size.

The driver connects over standard TCP/IP, making it suitable for any network topology from a single building to a campus-wide deployment.

- ✓ Works with all Cylon Unitron UC32 controllers
- ✓ Direct Ethernet communication via UC32.net protocol
- ✓ Discovers devices and points automatically
- ✓ Reads, writes, and overrides hardware I/O
- ✓ Compatible with existing Cylon front-end
- ✓ Configurable polling for optimal performance
- ✓ No controller reprogramming required
- ✓ No protocol converters or gateways needed
- ✓ No annual fees
- ✓ Free technical support and upgrades

The screenshot shows the 'Cylon Discovery' window in Niagara Workbench. The window title is 'Cylon Discovery' and the status is 'Success'. It displays two tables: 'Discovered' and 'Database'.

Discovered (2 objects)

Model	Address	Serial
UC32.net Lite, Internal Keypad, 1.01.52 (Apr 12 2010)	0	CNET831256G
UC32.24 6.1.6 13/11/07	1	CU24842123C

Database (2 objects)

Name	Type	Exts	Address	Model	Serial
UC32.net.000	Cylon Comm Device		0	UC32.net Lite, Internal Keypad, 1.01.52 (Apr 12 2010)	CNET831256G
UC32.24.001	Cylon Device		1	UC32.24 6.1.6 13/11/07	CU24842123C

Cylon Device Discovery in Niagara Workbench

SUPPORTED DEVICES

UC32.netK	UCU8 ¹	UCU10VAV	UC32.16
UC32.netK/LC	UCU8FC	UCU12	UC32.16DI
UC32.netK/ELC	UCU10FC	UC32.24	UC32.12
UC32.netK/P	UCU10FC/K	UC32.24K	UC32.8

SYSTEM REQUIREMENTS

- ✓ Niagara framework 4.8 or later, including OEM versions
 - ✓ JACE or Supervisor with TCP/IP network access to UC32 controllers
 - ✓ Cylon Unitron driver license
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CONNECTIVITY

TCP/IP

Connect Niagara directly to Cylon Unitron controllers over standard Ethernet using the UC32.net TCP/IP protocol. No additional gateways, protocol converters, or special wiring required.

ORDERING INFORMATION

Part Number	Description
CYL-J-250	Cylon for JACE, 250 points
CYL-J-1000	Cylon for JACE, 1000 points
CYL-J-UNL	Cylon for JACE, unlimited points
CYL-SUP	Cylon for Supervisor, first 500 points
CYL-SUP-500	Cylon for Supervisor, extra 500 points

¹Field devices connected via IP controllers