

UAC28 Controllers

Niagara-enabled Unitary
Application Controllers
for HVAC & Plant Control.



Overview

Streamline your HVAC control with UAC28-IP

28 inputs / outputs perfectly suited to control most types of unitary AHUs, heating and cooling substation, cooling towers and various HVAC applications.

Versatile real-time programming solutions to suit your needs

Comprehensive real-time programming, management and commissioning via the Niagara Workbench. iC Tool, advanced, free of charge commissioning and programming tool for nano EDGE ENGINE controllers.



niagara⁴

Discover available versions

Choose the controller that perfectly suits your application. Ranging from the standard version, with a daisy chain Ethernet switch and RS485 port, to versions with M-Bus interface, up to 3x RS485 ports and a TIL version, suitable for retrofit applications.

Advanced control with standardized HVAC function blocks

The controller features an application that complies with the ASHRAE 36 Guideline, offering standardized, high-performance operational sequences for AHU systems. It is built using a dedicated set of HVAC function blocks. The blocks can be further used for controlling various HVAC equipment including chillers, cooling and heating systems.

Managing you HVAC system from any browser with a modern UI

Auto-generated, intuitive HTML5 visualization provides real-time access to current states and setpoints, accessible from any browser.



Seamless programming and integration



The USB-C port facilitates local programming and allows the controller to be powered directly from a computer. Users can choose between the free, portable iC Tool for managing multiple devices, or the Niagara Framework® extension, which enables programming directly via Niagara Workbench.

Expandable and scalable

28 onboard inputs and outputs can be easily extended with a group of 22 types of Multiprotocol I/O Modules from 4 to 38 I/Os, increasing controller capabilities during installation or in the future.

Integration and connectivity

Effortlessly integrate with Building Management Systems (BMS) and IoT platforms using our auto-exposure functionality, ensuring smooth and seamless connectivity.

Future-proof architecture

Optimized for new building infrastructure, the device offers native support for IP-based BACnet, Modbus, and Haystack 4 protocols, alongside a built-in web server for seamless visualization. The fail-safe Ethernet switch enables daisy-chaining, ensuring uninterrupted IP communication even during power failures.

UAC28-IP CONTROLLER AVAILABLE THROUGH IBC

As a supply partner for iSMA CONTROLLI, IBC supports commercial HVAC and critical infrastructure projects for consultants, system integrators, contractors, and facility teams.

PROJECT SUPPORT

- HVAC controller selection
- BACnet and Modbus integration compatibility
- Retrofit project support
- Technical training and project discussions

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Systems that survive reality

