CAN Newsletter Online

INDUSTRIAL EDGE CONTROLLER

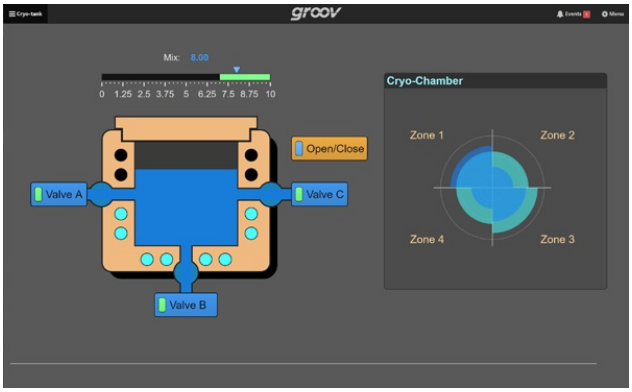
Controller with an optional CAN interface

Opto 22 has launched the Groov Epic firmware version 1.5.0, which runs under Codesys, Node-Red, and PAC Control. It supports CAN connectivity.

The Groov Epic controller is a modular industrial edge controller (Source: Opto 22)

As the firmware platform passes the year-and-a-half mark in its maturity, Opto 22 based in California has released version 1.5.0. This release broadens the palette of visualization and storage options to suit a wider variety of applications and hardware. It supports the integration of the GRV-CCANI-2 CAN interface module. It supports several bit-rates up to 1 Mbit/s. The module can be mounted into the Groov Epic chassis.

The embedded Groov View server is updated to version 4.2, with functions to create more dynamic web and mobile HMIs, dashboards, and Andon boards. New shape gadgets allow users to create custom SVG images and animations directly in Groov View, and to dynamically change their color and size (height and/or width) based on process variables or on any other data source connected to the Groov Epic industrial edge controller.



The embedded Groov View server enables the design of OEM-specific images and animations (Source: Opto 22)

The new function options can be used, for example, to enhance overhead displays for a bottling line by changing the color of text and numerical readouts to reflect line status or quality metrics stored locally in Codesys, Ignition, Node-Red, or PAC Control software running on the edge controller. For batch and continuous control applications, users can enhance situational awareness in operator interfaces by creating custom level and range indicators that change height and color in response to level, temperature, pressure, or alarm readings.

With Groov Epic 1.5.0, OEMs can also choose from a broader range of external HDMI monitors and touchscreens, including models from Dell, Hope Industrial, Superlogics, and AIS. This makes it easier to eliminate Windows PCs and OITs for local viewing and operator interfacing.

The firmware update also adds USB file access for Codesys, Groov Manage PAC Control, and Node-Red, allowing engineers to programmatically manage files, like uploading recipe configurations from a thumb drive to a control application running on Groov Epic.

Opto 22 designs and manufactures industrial control products and IoT (Internet of Things) platforms that bridge the gap between information technology (IT) and operations technology (OT). The products are deployed worldwide in industrial automation, process control, building automation, industrial refrigeration, remote monitoring, and data acquisition applications.

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