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Contact:
David Hill, Marketing Communications
800-321-6786 / 951-695-3010
dhill@opto22.com

Product photographs & videos:
(photos) http://groov.com/pressroom/#photos
(videos) http://groov.com/video-mobile-made-simple

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Opto 22's New *groov* Box Offers Mobile Access Anywhere

Second-generation *groov* Box industrial appliance distributes automation systems to mobile devices with faster operation, wider operating temperature range, and smaller footprint.

Temecula, CA – June 24, 2014 – Industrial automation manufacturer Opto 22 has announced a new *groov* Box (GROOV-AR1) that hosts *groov* mobile operator interfaces for virtually any automation system. Users simply connect their automation system to *groov,* and then connect authorized mobile devices to *groov* via either a web browser or an app interface. This allows each mobile device to interact with the automation system in a secure and predefined manner.

This new industrially hardened web-serving appliance sports a wide 0-70 °C (32-158 °F) operating temperature range, compact footprint, complete solid-state fanless design with no moving parts, high-performance quad-core processing, gigabit Ethernet interfaces, and USB expansion for wireless LAN interfaces. Measuring just 4.2 (W) x 6.8 (L) x 1.4 (D) inches (106 x 171 x 33 mm), the compact size and rugged design of the *groov* Box make it perfectly suited for deployment in harsh industrial environments. The *groov* Box is manufactured in and supported from the U.S.A., and Opto 22 product support is free.

What's *groov?*

The *groov* Box industrial appliance runs *groov,* a zero-programming, web-based way to build, deploy, and view effective, scalable operator interfaces to monitor and control automation

systems and associated components, equipment, and processes. These operator interfaces can be viewed on almost any mobile device or computer regardless of its manufacturer, operating system, or screen size, and two-way communication allows remote control for authorized and authenticated users. Supported devices for *groov* include smartphones, tablets, computers, and even smart high-definition televisions. *groov* augments existing human-machine interfaces (HMIs) and Supervisory Control and Data Acquisition (SCADA) systems by making important information available at any time and in any location.

groov uses a standard method of securely communicating with devices on the plant floor—including PLCs, DCSs, PACs, databases, and OPC-DA servers—called OPC Unified Architecture (OPC UA). As an OPC-UA client, *groov* can quickly and easily browse system tags from an OPC-UA server. OPC-UA servers are available from several companies. Also, because HMI and SCADA systems from automation manufacturers like Allen-Bradley, GE, and Siemens often include OPC-UA support, you may already have an OPC-UA server installed and running.

To demonstrate the power of *groov,* a fully functional trial version of the software-only *groov* Server for Windows is available to download and try so you can see your own system's data on a smartphone, tablet, or other mobile device. You can operate *groov* for up to two hours without a license, and restart if more time is required. Any projects you build with this free trial version of *groov* Server for Windows can be run on the new *groov* Box with no configuration or changes required.

Pricing and Availability

The new *groov* Box industrial appliance (p/n GROOV-AR1) is available now at a list price of **$2895.00** USD. For more information, contact Opto 22 Pre-Sales at 951-695-3000 or toll free at 800-321-6786, or visit groov.com.

About Opto 22

Opto 22 develops and manufactures hardware and software for applications involving industrial automation and control, energy management, remote monitoring, and data acquisition. Designed and made in the U.S.A., Opto 22 products have an established reputation worldwide for ease-of-use, innovation, quality, and reliability. Opto 22 products,

including the *groov* mobile operator interface, use standard, commercially available networking and computer technologies, and are used by automation end-users, OEMs, and information technology and operations personnel in over 10,000 installations worldwide. The company was founded in 1974 and is privately held in Temecula, California, U.S.A. Opto 22 products are available through a global network of distributors and system integrators. For more information, contact Opto 22 headquarters at +1-951-695-3000 or visit www.opto22.com.

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