Intelligent, multi-signal, multifunction, PoE-powered, remote Ethernet I/O for IIoT and Automation Applications

- Configure up to 8 channels of multi-signal, multifunction I/O (temperature, current, voltage, or discrete), plus 2 mechanical relays
- Power the unit and connected I/O with 802.3af PoE Class D switches or 10-32 V DC power
- Integrate I/O data directly with databases, HMIs, SCADA, cloud services, and IoT platforms with embedded Node-RED connectivity suite
- Connect to existing control systems or building automation systems with Modbus TCP, OPC-UA, or REST APIs
- Publish process data directly into publish-subscribe architectures with MQTT, transmitting Sparkplug or string payloads
- Log data to internal power fail-safe memory or attached USB mass storage device
- Protect with built-in security features, including configurable firewalls, encryption, user accounts, and VPN client
- Install anywhere with wide -20 °C to +70 °C rating, UL, Hazardous Locations approved, ATEX compliant

Learn more at info.opto22.com/introducingRIO

- USB host port can increase the capabilities of your RIO: connect a USB storage device or supported Wi-Fi adapter
- 26-pin removable terminal connector with single hold-down screw and spring-clamp signal wire retention
- LED indicators show power, device, Ethernet and I/O status.
Thousands of Unique Field I/O Combinations. Learn more at: info.opto22.com/thousands

--- Thermocouple inputs and discrete sinking outputs cannot be mixed on channels 0-3.

groov RIO Modules
GRV-R7-MM1001-10 Remote I/O; 8 multi-signal, multifunction ch; 2 form C electromechanical relay output channels
GRV-R7-MM2001-10 Remote I/O; 8 multi-signal, multifunction ch; 2 form C electromechanical relay output channels, Ignition Edge