

groov EPIC® Processors

GRV-EPIC-PR1 Programmable automation controller

groov EPIC Chassis

GRV-EPIC-CHS4 4-module analog/digital/serial mounting chassis
 GRV-EPIC-CHS8 8-module analog/digital/serial mounting chassis
 GRV-EPIC-CHS16 16-module analog/digital/serial mounting chassis

groov EPIC Power Supplies

GRV-EPIC-PSAC Power supply, 110–240 VAC
 GRV-EPIC-PSDC Power converter, 24–48 VDC
 GRV-EPIC-PSPT Pass-through power adapter, 11.4–12.6 VDC, up to 9 A

Software

PAC Project™ Basic Automation software suite: PAC Control Basic, PAC Display Basic
 groov® Manage Touchscreen or web-based tool to configure and troubleshoot I/O and network
 groov View Browser-based tool to build and view operator interfaces on any device; includes trends, events, and notifications
 Node-RED Open-source, multi-platform software tool for building simple logic flows to wire together databases, cloud applications, and APIs
 Ignition Edge® A product of Inductive Automation®; OPC-UA drivers for Allen-Bradley®, Siemens®, and Modbus®/TCP; MQTT transport with Sparkplug payload

groov Discrete Input Modules

GRV-IAC-24 AC input, 24 channels, 85–140 VAC
 GRV-IACS-24 AC input, 24 channels, 85–140 VAC, on/off state only
 GRV-IACI-12 AC input, 12 channels, 85–140 VAC, channel-to-channel isolation
 GRV-IACIS-12 AC input, 12 channels, 85–140 VAC, channel-to-channel isolation, on/off state only
 GRV-IACHV-24 AC input, 24 channels, 180–280 VAC
 GRV-IACHVS-24 AC input, 24 channels, 180–280 VAC, on/off state only
 GRV-IACIHV-12 AC input, 12 channels, 180–280 VAC, channel-to-channel isolation
 GRV-IACIHVS-12 AC input, 12 channels, 180–280 VAC, channel-to-channel isolation, on/off state only
 GRV-IDC-24 DC input, 24 channels, 15–30 V
 GRV-IDCS-24 DC input, 24 channels, 15–30 V, on/off state only
 GRV-IDCI-12 DC input, 12 channels, 10–30 V, channel-to-channel isolation,
 GRV-IDCIS-12 DC input, 12 channels, 10–30 V, channel-to-channel isolation, on/off state only
 GRV-IACDCTL-24 AC/DC input, polarity insensitive, 24 channels, 2–16 V AC/DC
 GRV-IACDCTL-24 AC/DC input, polarity insensitive, 24 channels, 2–16 V AC/DC, on/off state only

groov Discrete Output Modules

GRV-OAC-12 AC output, 12 channels, 12–250 VAC
 GRV-OACS-12 AC output, 12 channels, 12–250 VAC, on/off only
 GRV-OACI-12 AC output, 12 channels, 12–250 VAC, channel-to-channel isolation
 GRV-OACIS-12 AC output, 12 channels, 12–250 VAC, channel-to-channel isolation, on/off only
 GRV-ODCI-12 DC output, 12 channels, 5–60 VDC, channel-to-channel isolation
 GRV-ODCIS-12 DC output, 12 channels, 5–60 VDC, channel-to-channel isolation, on/off only
 GRV-ODCSRC-24 DC output, 24 channels, 5–60 VDC, sourcing
 GRV-OMRIS-8 AC/DC output, 8 channels, mechanical relay, 0–250 VAC/5–30 VDC, 5 A

groov Analog Input Modules

GRV-IMA-24 Analog input, 24 channels, configurable input ranges of 4–20 mA, 0–20 mA, ±20 mA
 GRV-ITMI-8 Analog input, 8 channels, thermocouple or mV, channel-to-channel isolation
 GRV-IV-24 Analog input, 24 channels, 8 configurable input ranges from ±1.25 V to ±160 V

groov Analog Output Modules

GRV-OVMALC-8 Analog output, 8 channels, voltage or current, chassis-powered loop

groov Serial Modules

GRV-CSERI-4 Serial communication, 4 channels, RS-232 or RS-485, channel-to-channel isolation



- Web-based commissioning, troubleshooting, and *groov* View HMI display
- LCD touch display
- Dual USB ports for serial communications, touchscreen monitors, or WiFi adapters
- HDMI port for external monitors
- Dual independent Gigabit Ethernet network interfaces
- Supports up to 16 *groov* I/O modules

- Available in three models:
- AC power supply
 - DC power converter
 - Pass-through power adapter

***groov* EPIC Power Supply**

***groov* I/O Modules**

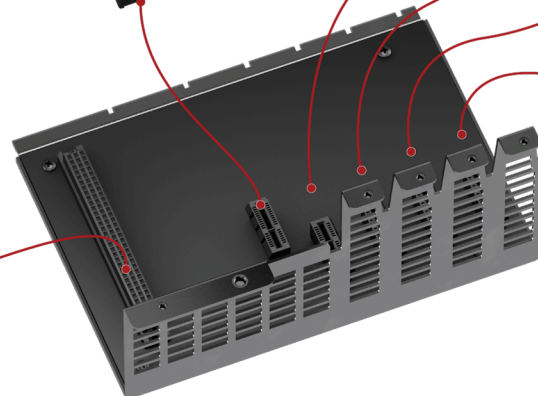
- Pivoting, two-position cover
- Touch-sensitive pad
- Hot swappable
- LEDs indicate module health and channel status
- UL Hazardous Locations approved and ATEX compliant

***groov* EPIC PR1 Processor**



***groov* EPIC Software**

- PAC Project Basic
- *groov* Manage
- *groov* View
- Node-RED
- Ignition Edge



***groov* EPIC Chassis**

- Available in three models:
- 4-module (shown)
 - 8-module
 - 16-module

