

groov EPIC® Processors

GRV-EPIC-PR1 Programmable automation controller

groov EPIC Chassis

GRV-EPIC-CHS0 Processor and power supply only mounting 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

Note: *groov Manage*, *groov View*, *PAC Control Runtime*, and *Node-RED* are included with the *GRV-EPIC-PR1*. *CODESYS® Runtime*, *Ignition Edge®*, and *Secure Shell* are pre-installed but require a license (to order use part number below):

GRV-LIC-CRE *groov* EPIC activation key for CODESYS Runtime
GRV-LIC-EDGE *groov* EPIC activation key for Ignition Edge
GRV-LIC-SHELL *groov* EPIC activation key for Secure Shell access

groov EPIC Accessories

GRV-TEX-26F6 26-wire cable for *groov* I/O modules. Straight-through; no common terminals. Flying leads.

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-IDCIFQ-12 DC input, 12 channels, 2.5–30 V, channel-to-channel isolation, high speed, quadrature
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-IICTD-12 Analog input, temperature, ICTD, 12 channels
GRV-IMA-24 Analog input, 24 channels, configurable input ranges of 4–20 mA, 0–20 mA, ± 20 mA
GRV-IMAI-8 Analog input, 0–20 mA, isolated, field or chassis-powered loop, 8 channels
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 VDC

groov Analog Output Modules

GRV-OVMALC-8 Analog output, 8 channels, voltage or current, chassis-powered loop
GRV-OVMAILP-8 Analog output, 8 channels, voltage or current, channel-to-channel isolation, field or 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

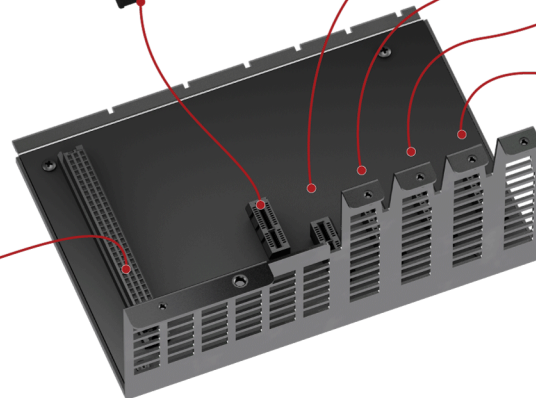
- Pivoting, two-position cover
- Touch-sensitive pad
- Hot swappable
- LEDs indicate module health and channel status
- UL Hazardous Locations approved and ATEX compliant

groov EPIC PR1 Processor



groov EPIC Software

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|-----------------------|-----------------|
| • PAC Project Basic | • Node-RED |
| • <i>groov</i> Manage | • Ignition Edge |
| • <i>groov</i> View | • CODESYS |



groov EPIC Chassis

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