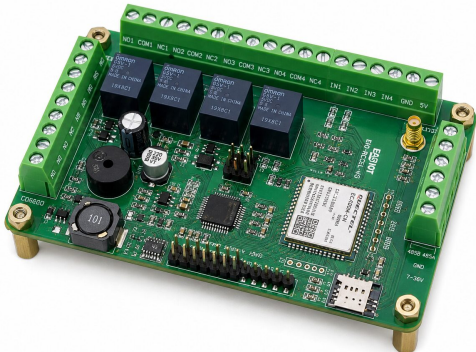


Industrial IP & 4G Smart Relay

Remote Power Control & Monitoring Module

Revan Technology



Key Benefits

Remote Reboot — ICMP ping watchdog detects frozen devices, relay power-cycles automatically

Multi-Protocol — WebUI, SMS, MQTT & Modbus RTU in one module

Universal Input — Jumper-selectable: dry contact, 0–10 V, 4–20 mA, NTC

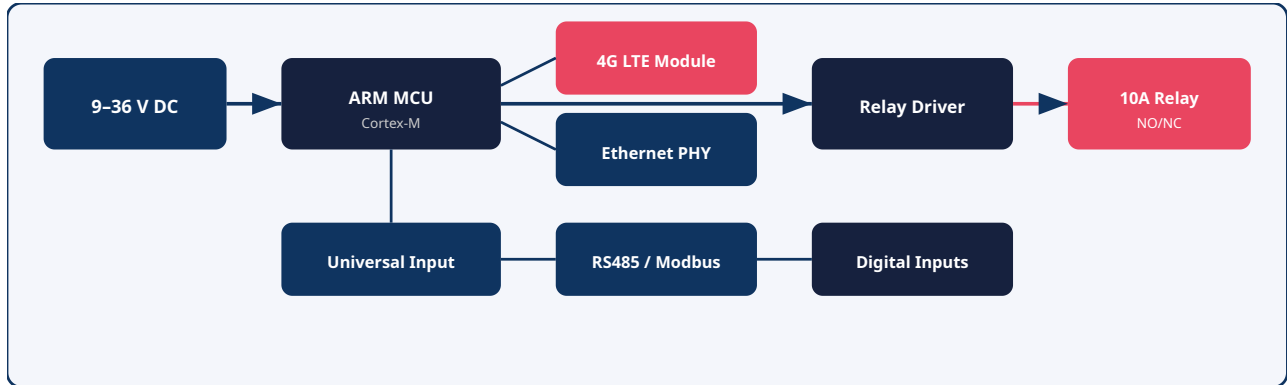
Wide Power — 9–36 V DC, DIN-rail mount, industrial -25 °C to +70 °C

Technical Specifications

Parameter	Value
Supply Voltage	9–36 V DC
Relay Output	1 × NO/NC, 10 A @ 250 VAC
Digital Inputs	2 × optocoupled (dry contact / NPN)
Universal Input	1 × jumper: dry contact · 0–10 V · 4–20 mA · NTC
Connectivity	10/100 Ethernet + 4G LTE Cat-1 (SIM slot)
Protocols	HTTP/WebUI · MQTT · Modbus RTU (RS485) · SMS
Watchdog	ICMP ping, configurable interval & retry
Processor	ARM Cortex-M series
Operating Temp.	–25 °C to +70 °C
Mounting	DIN rail (TS-35)
Dimensions	~90 × 72 × 25 mm

Enclosure	Open PCB / optional DIN-rail housing
Certification	CE (EMC) — in progress

Block Diagram



Applications

- Remote camera / router / modem reboot via ping watchdog
- Field lighting & pump on/off control over 4G
- BTS / telecom shelter environmental monitoring
- Agricultural irrigation valve control via SMS
- Industrial alarm relay with Modbus RTU integration

Contact

Türkiye

WhatsApp: +90 543 735 31 75

E-mail: info@revantechnology.com

Web: revantechnology.com

Austria · Germany · Switzerland

Phone / WhatsApp: +41 76 212 8248

E-mail: info@revantechnology.ch

Web: revantechnology.ch

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