



## RUGGEDCOM DATASHEET

# Compact power injectors and supplies

Compact power injectors and supplies help reduce costs by eliminating separate power and data cabling requirements.

**[usa.siemens.com/ruggedcom](http://usa.siemens.com/ruggedcom)**

To ensure the utmost in reliability, the RUGGEDCOM power injectors and supplies are tested to the most stringent international EMI and environmental standards. They provide a high level of immunity to electro-magnetic interference and heavy electrical surges typical of environments found in electric utility substations, curb side traffic control cabinets, industrial manufacturing, and process control. An operating temperature range of -40°C to +85°C coupled with hazardous location compliance (Class 1 Division 2), and optional conformal coating allows the power injectors and supplies to be placed in almost any location.

The RP100 and RPS1300 product family was specifically designed to provide years of

maintenance free operation for all your mission-critical, real-time control applications. The reliability of the products exceeds those of commercial devices by having no rotating parts (i.e. no cooling fans), utilizing high temperature solid state components and incorporating the necessary transient and surge suppression circuitry required for electrically harsh environments.

All RUGGEDCOM products are backed by a five year warranty and unsurpassed technical support.

### Common features

- IEEE 1613 and IEC 61850-3 compliant
- -40°C to +75°C operating temperature (no fans)
- Integrated power supply
- Automatic detection of remote power devices
- Output fault protection



[RUGGEDCOM General information](#)  
[Technology Highlights](#)  
[RUGGEDCOM Knowledge Zone](#)

# SIEMENS

### RUGGEDCOM RPS1300

#### 140 W PoE 54VDC power supply

- Input voltage: 120 VAC, 230 VAC
- Output voltage: 54 VDC
- -40° C to +75° C operating temperature
- NEMA TS-2 rated

Installation Guide:

[RPS1300](#)

Operating Instructions

[RPS1300](#)



### RUGGEDCOM RP100

#### PoE injector

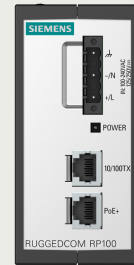
- -40°C to +85°C temperature rating
- IEEE 1613 and IEC 61850-3 compliance means continued network up-time and operation in harsh environments
- Supports a wide range of AC and DC input voltages
- Automatic detection of remote power devices

Data Sheet:

[RP100](#)

Installation Guide:

[RP100](#)



### RUGGEDCOM RP110

#### Serial PoE injector

- 802.3af/802.3at compliant version
- RUGGEDCOM WIN compliant version
- 1 x RS422/485 + 1 x RS232
- IRIG-B output
- Transmits serial data over an IP network
- Support for Modbus TCP, DNP3,
- WIN, TIN, Microlock serial protocols for rail
- Raw socket mode allows tunneling of any serial protocol
- -40° C to +85° C operating temperature (no fans)

Data Sheet:

[RP110](#)

User Guide:

[RP110](#)

Installation Guide:

[RP110](#)



#### Legal Manufacturer

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