



Introducing the SecFlow-1v-PLC Secure IIoT Gateway with PLC and Edge Computing!

Ruggedized, multiservice and compact – meet RAD’s new SecFlow-1v-PLC!

With built-in security and high-availability for applications controlling mission-critical operations, it presents an all-in-one solution for automation applications in the oil and gas, water and power utilities, industry 4.0 and building automation sectors.

Securely connect digital inputs and outputs, analog inputs, Ethernet/IP or serial RTUs, cameras, and more over LTE or fiber networks – either public or private.



Your Network's Edge®

SecFlow-1v-PLC

Ruggedized Multiservice Gateway
with PLC Functionality

Specifications

PLC

6 x Digital Inputs
6 x Digital Outputs
6 x Analog Inputs
Web GUI
SCADA protocols: Modbus, DNP3, IEC-104, BACnet
Up to 5 concurrent masters (Modbus TCP, DNP3 TCP or BACnet TCP, IEC-104)
Up to 400 additional I/O points
I/O points split between 2 Modbus-RTU
Up to 10 Modbus-TCP slaves

ETHERNET INTERFACES

GbE ports with optional PoE
SFP: 1 x 100/1000FX

SERIAL INTERFACES

2 x RS-232/RS485

LOCATION REPORTING

GPS/GNSS

CELLULAR MODEM

Dual SIM cellular modem for HSPA+/EVDO or LTE networks
FOTA (Firmware upgrade Over the Air)
Wi-Fi modem option
2nd cellular modem option

NETWORKING

L3 IPsec VPN
SCADA gateway for IEC101/104, Modbus RTU/TCP and DNP3

ROUTER

Static routing, OSPFv2, BGP, VRF, IPv4, NAT, NAT-T

MANAGEMENT

Control Port

Interface: RS-232

Management Options

CLI with password-protected access
Web-based interface, zero-touch provisioning

Tools

TFTP/SFTP
Multiuser TACACS+

TIMING

Local time setting
SNTP

SECURITY

Stateful Firewall

IPsec

AES128 and AES256 GCM encryption
OpenVPN client
PKI with X.509 certification
IKEv1, IKEv2, SHA2

OPERATING TEMPERATURE

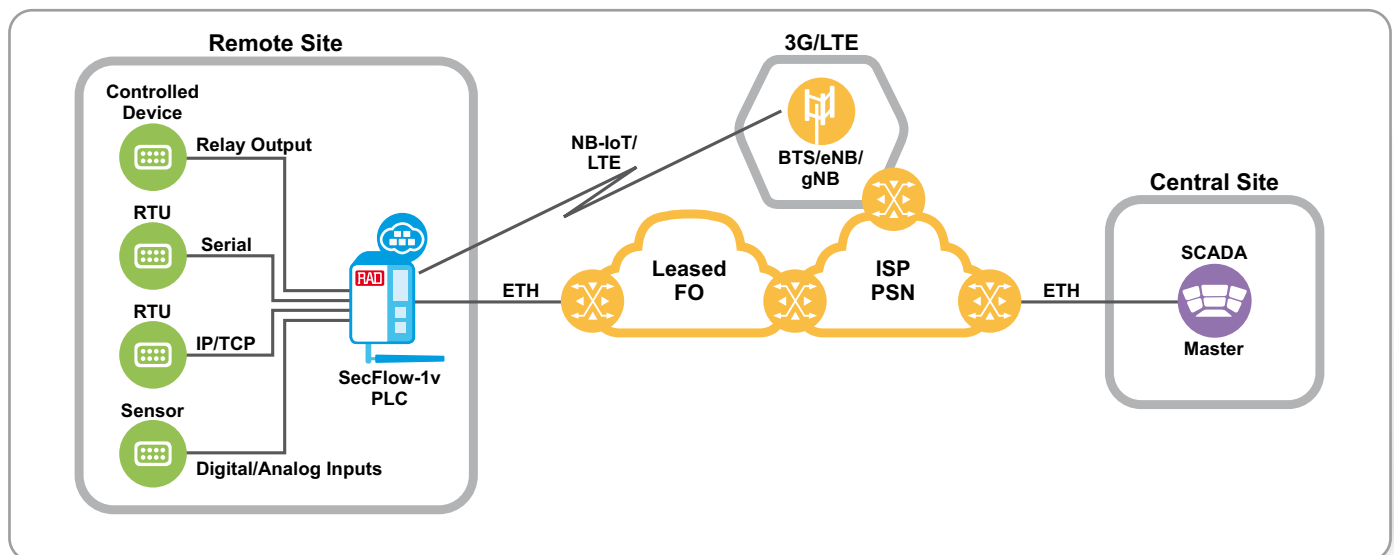
-40 to 65C (-40 to 149F)

POWER SUPPLY

Dual feed DC

DIAGNOSTICS

Dry contacts 2-in and 2-out



Your Network's Edge®

www.rad.com

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Watch [video](#) for Edge Computing use cases