GSM Remote Gateway Module

MODEL : PTSFY-GSM-4G



GSM Remote Gateway Module is a compact, reliable cellular telemetry unit designed for 24/7 real-time monitoring of critical environments, devices and infrastructure. Powered by an integrated 4G LTE Cat-1 module, the device monitors dry contacts and analog outputs, delivering instant event alerts via SMS, mobile application and centralized monitoring platforms.

Application:

Fire Alarm & Suppression Systems: Monitor dry contact outputs from fire alarm control panels (FACP) to broadcast instantaneous alerts to emergency response stations.

Facility Access & Perimeter Security: Detect unauthorized opening of emergency exit doors, restricted access barriers, door sensors, and motion sensor triggers.

Equipment Supervision: Continuously monitor DC power lines, pump status, pressure switches, generator outputs, and HVAC faults.

Environmental & Storage Monitoring: Connect analog voltage sensors to track temperature levels, fluid tank levels, and battery rack voltages.

Technical Specification

Operating Voltage	12-24V DC
Frequency Bands	4G LTE
	2G GSM/GPRS (900/1800 MHz
SIM Interface	Nano/Micro SIM Slot
Cellular Antenna	External Dipole Antenna
Digital Inputs	2× Optically Isolated Inputs
Analog Input	1× Analog Channel (Range:12–24V DC)
	4-20mA (Optional)
Status Indicators	Front-panel LED indicator
Protocols Supported	TCP, UDP, MQTT, HTTP/HTTPS, SMS
Operating Temperature	-30°C to +75°C

Instant Alerts
SMS/Email/Push

Multiple Inputs
Digital & Analog

Centralized Monitoring
Multiple Locations

TECHNICAL DATASHEET