smartGATE

Portable Secure Remote Access Device

OILDYNAMICS
Lifting Energy



smartGate Portable Secure Remote Access Device is designed for fast and reliable troubleshooting of industrial equipment. It enables experts to securely connect to field systems in real time, providing full access to HMIs, VFDs, and control software without the need for permanent installation or onsite travel. The unit supports wired and cellular connectivity, encrypted communication, and role-based access, making it ideal for commissioning, troubleshooting, and short-term service tasks while reducing downtime, travel costs, and service response time.

Ratings and Features

INPUT VOLTAGE	110V TO 240VAC; 50/60HZ; 1 PHASE
GENERAL DESCRIPTION	HAND CARRIED, BATTERY POWERED REMOTE ACCESS FOR TROUBLESHOOTING PURPOSE.
PROTECTION DEGREE	NEMA 3R
ENCLOSURE MATERIAL	HARD COVER
MOUNTING	WALL MOUNT
ENVIRONMENTAL USE	INDOOR / OUTDOOR
TEMPERATURE RATING	-20-50°C NOT CONDENSING
INTERNET CONNECTION	SIM-CARD, RJ-45 PORT
BATTERY CAPACITY	20Ah
SECURITY	ENCRYPTED VPN TUNNEL (OPEN VPN / TLS) NO INBOUND PORTS NEEDED (ROUTER CONNECTS OUTBOUND) ROLE-BASED ACCESS & USER CONTROL
CONNECTIONS & INTERFACES	VNC-ACCESS, RJ-45, USB RS-485/RS-232 VIA USB CONVERTERS

smartGATE sG 3R

Contact Us
+49 6221 759770
sales@oildynamics.de

Highlights

Portable Deployment Concept
Designed for temporary field use without the need for permanent installation or system modification.

Secure Remote Connectivity
Encrypted VPN communication ensures secure access to industrial equipment without exposed inbound network ports.

Fast Expert Access
Provides real-time access to HMIs, VFDs, and control systems, bringing the expert directly to the equipment.

Software Compatibility
The service link extends the remote computer to the VFD; all required software runs on the remote computer with no local installation are required.

Flexible Communication Options
Supports WAN and LTE connectivity, enabling operation across diverse site infrastructures.

Increased Service Efficiency
Resolves more service cases remotely, reducing travel requirements and improving technician utilization.

Reduced Downtime
Accelerates troubleshooting and commissioning, minimizing equipment downtime and operational impact.

Standardized Service Process
Ensures consistent, repeatable remote service workflows with predictable service quality.

Lower Total Cost of Ownership
Decreases travel, service time, and downtime, resulting in reduced lifecycle service costs.

smartGATE sG 3R

Contact Us
+49 6221 759770
sales@oildynamics.de