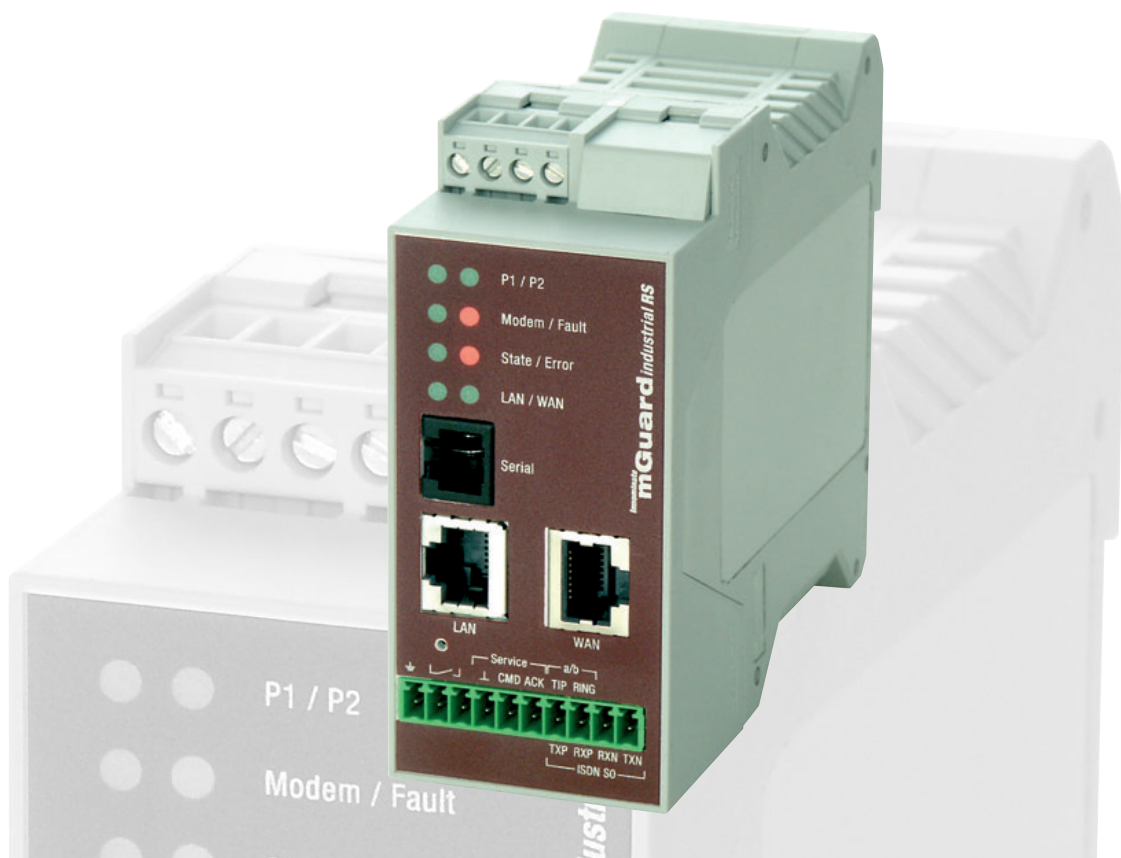


**Innominate**

# mGuard industrial RS

Industrial firewall/VPN appliance with integrated modem



**The mGuard industrial RS is available in the versions**

- mGuard industrial RS
- mGuard industrial RS VPN
- mGuard industrial RS VPN Analog
- mGuard industrial RS VPN ISDN

Modern Internet-based remote maintenance is increasingly replacing the use of modems. With optional modem integration, the hybrid mGuard appliance flexibly supports this transition. In addition to VPN support, the Innominate remote service appliance mGuard industrial RS offers proven mGuard firewall technology, ensuring secure access.

- Industrial firewall appliance suitable for mounting on DIN rails
- Supports remote maintenance applications
- VPN tunnel can be initiated from the machine (via software or hardware switch)
- Integrated modem interface for optional analogue or ISDN modem supports fall-back applications
- Modem interface for transition scenarios (migration)
- High data throughput rates through hardware-based encryption
- Redundant power supply (9-36 VDC)

Hardware performance features	mGuard industrial RS
CPU	Intel IXP 42x with 533 MHz
RAM/Flash	64 MB SDRAM/16 MB Flash
1 LAN/1 WAN port	Ethernet IEEE 802.3 10/100 BaseTX, RJ45, Full Duplex, Auto-MDIX,
MAU management	•
Serial interface	V.24, RJ11 port
Integrated analog modem	optional
Integrated ISDN terminal adapter	optional
Power supply	9-36 V DC / 0,5 A / SELV
Operating temperature	0 to 55 °C
Relative humidity	10 to 95 %, non-condensing
MTBF	23.6 years
Mounting	rail mount
Protection class	IP 20
Dimensions (W x H x D)	45 x 100 x 111 mm

Internet	
Internet support	PPPoE, PPTP, Static IP, DHCP client, Stealth/Multi Stealth, Modem

Network services	
DHCP support	Server or relay agent
DNS cache	•
Dyn. DNS	•
NTP client	•
LLDP (Link Layer Discovery Protocol)	•
VLAN (802.1Q)	•
QoS (Quality of Service)	•
Internet updates	•
Remote syslog logging	•
User based configuration profiles	•
Multi language	German, English and Japanese
System management	
Web-based management (HTTPS)	•
Command line interface (SSH)	•
SNMP v1, v2, v3	•
Innominate Device Manager	optional

Firewall	
Firewall data throughput	99 Mbit/s
User licenses	unlimited
Stateful Inspection Firewall	•
NAT, 1:1 NAT	•
Port forwarding	•
MAC-Filtering	•
Firewall rules in VPN connections	•
IP spoofing protection	•
Syn flood protection	•
Configurable DoS protection	•
Redundant Firewall	optional
Anti-virus protection	
Integrated scan engine	optional
Scans HTTP, FTP, POP3, SMTP, HTTP proxy	optional
Block by file size	optional
Automated pattern file updates	optional

Virtual Private Network (optional)	mGuard industrial RS VPN
VPN data throughput (3DES)	70 Mbit/s
Max. number of VPN tunnels	10
Encryption procedures	DES, 3DES, AES-128, -192, -256
Hardware-based encryption	•
IPsec mode	ESP tunnel/ESP transport
Authentication	X.509v3 certificates with RSA or PSK
Data integrity	MD5, SHA-1
Internet Key Exchange (IKE)	Quick mode, main mode, PFS
IPsec L2TP server	•
VPN in Stealth Mode	•
1:1 NAT in the VPN	•
IPsec NAT Traversal	•
Dead Peer Detection (RFC 3706)	•
Dyn. DNS VPN support	•

mGuard Software Options	
Innominate mGuard VPN-10	IPSec VPN Gateway, max. 10 VPN tunnels
Innominate mGuard VPN-250	IPSec VPN Gateway, max. 250 VPN tunnels
Innominate mGuard Anti-Virus-50	50 appliances, perpetual license for CLAM AV™ virus patterns
Innominate mGuard Anti-Virus-200	200 appliances, perpetual license for CLAM AV™ virus patterns
Innominate mGuard Anti-Virus-1000	1000 appliances, perpetual license for CLAM AV™ virus patterns
Innominate mGuard Redundant Firewall Option	Requires two mGuard Security Appliances
Innominate mGuard VPN Tunnel Group Option	IP sec VPN Gateway, max. 250 concurrent VPN tunnels; unlimited number definable

Approval / conformity	
CE, FCC, UL508	

Please follow the safety instructions documented in the „Quick Installation Guide“.