

# datasheet

## **mGuard** *centerport*

**Fast. Strong. Scalable.**

**Security & teleservices at its best**

### **Fast**

The *mGuard centerport* from Innominate is the combination of a high-end firewall and a high-performance VPN gateway, both in a high-available 19-inch format. Ideally suitable as a central infrastructure for scalable security and teleservice solutions, the *mGuard centerport* impresses with its reliability, security and performance, meeting even the highest requirements in the industrial environment.



### **Strong**

The *mGuard centerport* security appliance combines the extremely powerful mGuard hardware platform with the reliable mGuard firmware. Based on a hardened embedded Linux from Innominate, this combination integrates four complementary security components: a bi-directional stateful inspection firewall, a flexible NAT router, a highly secure VPN gateway and, optionally, an industry-compatible protection from malware.

### **Scalable**

With its Gigabit Ethernet and multi-core architecture, including the high performance reserves that result from this, the *mGuard centerport* can be scaled without any problems to meet the requirements of a continually increasing number of VPN connections or network segments to be protected. In addition, the finely-grained data traffic prioritizing (QoS) ensures a consistent transmission level for business-critical IP services, even under a maximum network load. And the easy roll out and management of all mGuard field devices via the scalable device management software also enables the centralized configuration and management of the *mGuard centerport*, entirely regardless of its location.

### **High-end security**

The *mGuard centerport* is supremely suitable for use as a high-end firewall in the backbones of industrial networks, and for the secure connection of distributed production plants. Without any loss of performance, the plants and networks to be protected are effectively shielded by the industrially-compatible *mGuard centerport* against manipulation and the resulting production disturbances.

### **High-performance teleservices**

Deployed as a central high-performance gateway for Virtual Private Networks, the *mGuard centerport* supports VPN tunnel group connections to any number of systems, machines and technicians, for which up to 1,000 concurrent VPN tunnels can be active at the same time. Even without distributing the load over multiple interfaces, the *mGuard centerport* device has a hardware-encrypted VPN data throughput of over 300 MBit/s for high-security teleservices such as remote support, remote diagnosis, remote maintenance and condition monitoring via the Internet. Even for a large number of machines and plants at the same time, the *mGuard centerport* enables this without any noticeable time delays, and without additional software being installed.

Hardware properties	mGuard centerport
Platform	Multicore x86 processor architecture
Network interfaces	1 LAN port   1 WAN port Ethernet IEEE 802.3 10/100/1000 Base TX   RJ 45   Full/Half Duplex   Auto-MDIX
Other interfaces	VGA console   2 x serial RS232, D-sub DE-9 male   6 x USB
Drives	1 HDD   1 DVD-RW
High availability	optional: VPN   router & firewall
Power supply	2 x 100-240V AC, 250 W at 50/60 Hz, redundant
Power consumption	depends on the configuration level
Air humidity range	20 - 90 % (operation), non-condensing 10 - 90 % (storage)
Protection class	Front IP 20
Temperature range	0 - +50 °C (operation) -20 - +70 °C (storage)
Dimensions (H x W x D)	88 x 482 x 472 mm (2 RU x 19" x 18.58")
Weight	10 kg

Firmware and performance values	mGuard centerport
Firmware compatibility	mGuard v7.1 or higher; Innominate recommends operation with the current patch releases; for scope of functions, see relevant firmware datasheet
Data throughput (router   firewall)	2,000 Mbit/s bi-directional   2,000 Mbit/s bi-directional
Hardware-based encryption	DES   3DES   AES-128/192/256
Encrypted VPN throughput (AES-256)	300 Mbit/s bi-directional
Management support	Web GUI (HTTPS)   Command Line Interface (SSH)   SNMP v1/2/3   central device management software
Diagnostic	LEDs (1 x power, 1 x HDD)   boot menu   log file   remote syslog

Other	mGuard centerport
Conformity	CE, developed according to UL requirements

Please note the safety instructions in the product documentation supplied (Quick Installation Guide).

Available models and order numbers:	
mGuard centerport	HW-106000
mGuard centerport/VPN 250	BD-601000
mGuard centerport/VPN 1.000	BD-602000

## The Benefits

**Security:** Don't give attackers a chance!

The highly-effective security components of the mGuard security appliance provide your systems, machines and communication channels with the highest level of protection against attacks, so that you can sleep at night.

**Plug-n-Protect:** Avoid long-winded coordination!

The self-sufficient mGuard security appliance, with its patented mGuard stealth mode, can be integrated quickly and without repercussions. In the process, the behavior of the mGuard is completely transparent, and it uses the IP address of the system it is protecting. Thus the mGuard cannot be detected by an attacker, and therefore cannot be compromised.

**Speed:** Increase your security without impairing the response times! The extremely high throughput rates of the mGuard enable you to have fast and at the same time safe IP communication with all machines and systems.

**Load reduction:** Protect your computers! The mGuard cifs integrity monitoring is an industry-compatible alternative to traditional anti-virus solutions that reliably detects malware. Without the risk of downtime due to false alarms, and with a considerable load reduction for the systems being protected.

**Up-to-dateness:** Don't get left behind! You can meet new security and market requirements quickly and easily with the aid of regular upgrades to the mGuard firmware.

**Time saving:** Increase your efficiency level! The optionally available device manager makes it easy for you to centrally manage and perform a templatebased roll-out of all your mGuard devices.

## About Innominate Security Technologies AG

Innominate, a Phoenix Contact Company, is a leading supplier of components and solutions for controlled and secured communication in industrial networks. The German company specializes in the protection of networked industrial systems and the secure remote diagnosis and maintenance of machinery and equipment over the Internet. Its mGuard product line of network security appliances provides router, firewall, virtual private network (VPN), as well as quality of service (QoS) functionalities and helps with intrusion detection and antivirus protection. The mGuard portfolio is complemented by a highly scalable device management software. Innominate products are marketed worldwide under the mGuard brand through system integrators and OEM partners.

Further information can be found at: [www.innominate.com](http://www.innominate.com).

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