

datasheet

mGuard *blade*pack

Dynamic. Powerful. Failsafe. Scalable security in rack form

Dynamic

The *mGuard blade*pack from Innominate impresses with maximum security and performance in a 19-inch format. It has never been so easy to reliably protect a dynamically growing number of computers, machines or any other IP connections critical to a company's operations from attack.



Powerful

Every single *mGuard blade* security appliance combines the 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.

Failsafe

Every *mGuard blade* slide-in module in the robust metal housing represents a dedicated security appliance, which can optionally be combined in pairs to form a hot standby system. In addition, all *mGuard blades* are hot swap-capable and can be replaced and automatically reconfigured during operation.

Scalable security

The *mGuard bladebase* consists of a 19-inch standard rack (3 RU) that provides space for up to 12 *mGuard blades*. The *mGuard blades* and *bladebase* together form the *mGuard blade*pack security center. To guarantee the highest level of availability, the *mGuard bladebase* series contains a redundant power supply which, like the *mGuard blade* slide-in modules, is controlled by a monitoring unit.

Dedicated end point security

In general, conventional firewalls are used to secure entire networks or network segments with a uniform security standard. However, systems or machines that are critical for a company often require their own level of security. Thus, the *mGuard blades* can be used to assign to a company-critical system or network segment its own individually-configured security component.

High-performance teleservice infrastructure

For scalable remote maintenance scenarios, the *mGuard blade*pack can be used as a central VPN gateway or client for up to 3,000 concurrent, IPsec-encrypted VPN tunnels. The *mGuard blade*pack thus functions as a high-performance teleservice infrastructure for the secure and software-independent connection of machines, controls or technicians, especially in medium-sized machine and plant engineering operations.

Hardware properties	mGuard blade /266 mGuard blade /533
Platform	Intel network processor optionally with 533 MHz or 266 MHz clock rate
Network interfaces	1 LAN port 1 WAN port Ethernet IEEE 802.3 10/100 Base TX RJ 45 Full Duplex Auto-MDIX
Other interfaces	serial RS232, RJ11 socket
Drives	–
High availability	optional: VPN router & firewall
Power supply	via bladebase: 100 -240 V AC at 50/60 Hz
Power consumption	blade: typically 3 W bladebase: typically 42 W
Temperature range	+5 - +40 °C (operation) –20 - +70 °C (storage)
Air humidity range	10 - 95 % (operation), non-condensing
Protection class	IP 20
Dimensions (H x W x D)	blade: 100 x 26 x 160 mm bladebase: 133 x 483 x 235 mm (3 RU)
Weight	blade: 245 g bladepack: 7.7 kg

Firmware and performance values	mGuard blade /266 mGuard blade /533
Firmware compatibility	mGuard v5.0 or higher; Innominate recommends to always use current firmware versions and patch releases; for scope of functions see relevant firmware datasheet
Data throughput (router firewall)	99 Mbit/s bi-directional 99 Mbit/s bi-directional
Hardware-based encryption	DES 3DES AES-128/192/256
Encrypted VPN throughput (AES-256)	35 Mbit/s (blade /256) bi-directional 70 Mbit/s (blade /533) bi-directional
Management support	Web GUI (HTTPS) Command Line Interface (SSH) SNMP v1/2/3 central device management software
Diagnostic	LEDs (2 x LAN, 2 x WAN in combination for boot process, system errors, Ethernet status, recovery mode) log file remote syslog

Other	mGuard blade /266 mGuard blade /533
Conformity	CE FCC

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

Available models and order numbers:	
mGuard blade /533	HW-104050
mGuard blade /266	HW-104020
mGuard bladebase	HW-104500
mGuard bladepack /533	HW-104850
mGuard bladepack /266	HW-104820

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.

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