datasheet

mGuard delta²

Stable. Fast. Flexible.
Compact security for everyone

Stable

The *mGuard delta²* from Innominate combines exceptionally high levels of security and performance in a stable and compact metal housing for the desktop. An ideal solution to protect critical systems, machines or complete networks against attacks.

Fast

Engineered and manufactured in Germany, *mGuard delta²* security appliances combine the powerful new mGuard hardware platform with the reliable mGuard firmware. Based on a hardened embedded Linux from Innominate, this combination integrates four complementary security components: a bidirectional stateful firewall, a flexible NAT router, a highly secure VPN gateway and, optionally, an industry-compatible protection from malware. Due to its front-side configuration memory (SD card), the *mGuard delta²* can be quickly and easily put into operation, updated, and exchanged.

Flexible

Whether for individual computers, machines or entire networks: the flexibility of the *mGuard delta²* is practically unlimited. With its numerous configuration and routing options, it can map the widest variety of networking scenarios quickly and easily. And the integrated security components ensure that security does not come up short either.

Networking and protecting

The *mGuard delta²* is supremely suitable for protection of workplaces and environments close to production with low requirements for industrial hardening. Perfectly positioned as an intelligent firewall between office and production networks, as a secure remote maintenance gateway, or as a security router for small and medium-sized workgroups.

Secure remote maintenance

For software-independent remote maintenance scenarios, the *mGuard delta²* can be used as a VPN gateway and client for IPsec-encrypted VPN tunnels. Equipped with the respective VPN licenses, the *mGuard delta²* functions as a remote access infrastructure for the secure connection of machines, controls or technicians, especially in medium-sized machine and plant engineering operations. The *mGuard delta²* can also be used as a DSL router here in combination with a DSL modem.

This makes the *mGuard delta²* to an ideal companion for Innominate's cloud-based infrastructure solution, the mGuard Remote Services Portal (available in selected countries).

Medical applications

The *mGuard delta²* is suitable for the secure connection of doctor's practices to healthcare networks and online services, and also for other medical application scenarios. Additionally, the *mGuard delta²* supports the secure access to PCs in the practice from home and on the road using a USB stick with pre-configured software and any PC with Internet access.

Hardware properties	mGuard delta²
Platform	Freescale network processor with 330 MHz clock rate
Network interfaces	1 LAN I 1 WAN Port Ethernet IEEE 802.3 10/100 Base TX I RJ 45 I Full-Duplex I Auto-MDIX
Other interfaces	serial RS232, D-sub DE9 male
Memory	128 MB RAM I 128 MB Flash SD card as exchangeable configuration memory
High availability	optional: VPN I Router & firewall
Power supply	external power supply 12V/0,85A DC I 100–240V/0,4A AC
Power consumption	typical 2.13 Watt
Temperature range	0 - +40 °C (operation) 0 - +60 °C (storage)
Air humidity range	5 - 95 % (operation and storage), non-condensing
Protection class	IP 20
Dimensions (H x W x D)	130 x 45 x 114 mm
Weight	629 g

Firmware and performance values	mGuard delta²
Firmware compatibility	mGuard v7.4.0 or higher; Innominate recommends to always use current firmware versions and patch releases; for scope of functions, see relevant firmware datasheet
Data throughput	Router mode: up to 110 Mbit/s bidirectional Stealth mode: up to 50 Mbit/s bidirectional
Virtual Private Network (VPN)	IPsec (IETF standard) I VPN models up to 10 VPN tunnels; optional up to 250 VPN tunnels
Hardware-based encryption	DES I 3DES I AES-128/192/256
Encrypted VPN throughput (AES-256)	Router mode: up to 35 Mbit/s bidirectional Stealth mode: up to 20 Mbit/s bidirectional
Management support	Web GUI (HTTPS) I Command Line Interface (SSH) I SNMP v1/2/3 I Central device management software
Diagnostic	LEDs (Power, State, Error, Fault, Info) I Log file I Remote syslog
Other	**mGuard delta²**
Conformity	CE I FCC
Specifics	Battery-powered real-time clock I Trusted Platform Module (TPM) I Temperature sensor I mGuard Remote Services Portal ready

Please note the safety instructions in the product documentation supplied (package slip).

Available models and order numbers:	
mGuard delta² TX/TX	HW-103060
mGuard delta² TX/TX VPN	BD-211010

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.**