

Hardware/software needed



The mGuard family of rugged security devices includes firewall, routing and optional VPN functionality to industrial networks. These high-level “Layer 3” functions are essential for protecting your industrial network from malicious attacks and accidental interruption as well as for connecting to office or enterprise networks.

Different hardware variants provide a great range of uses and flexibility while at the same time providing full mGuard protection and the connectivity to fit your needs. The hardware varies: from desktop/laptop use in an office environment to road technicians to tough, industrially rated variants with both fiber optic and copper interfaces, gigabit connectivity, PCI format and hazardous location approvals. A number of other Phoenix Contact cellular modems with IPsec VPN are also supported for use with our Secure Cloud service.

mGuard Secure Cloud is also available for use with other third-party IPsec-compatible VPN-software.

To register go to us.cloud.mguard.com.

	Part number	Description
Service	2700967	FL MGuard DELTA TX/TX*
	2700639	FL MGuard SMART2 VPN
Service and machine	2701275	FL MGuard PCI 4000 VPN
Machine	2200515	FL MGuard RS4000 TX/TX VPN
	2700642	FL MGuard RS2000 TX/TX VPN
	2700198	FL MGuard GT/GT VPN
	2313355	PSI-MODEM-GSM/ETH
	2314008	PSI-MODEM-3G/ROUTER

* MGuard DELTA needs VPN license (part number 2700194).

Voucher number	Description
2989620	mSC – New machine voucher
2989621	mSC – Machine renewal
2989622	mSC – New service voucher **

** mSC-Service is a one-time fee. No renewal necessary.



Always up to date, always available. Everything you'll need to know about our products, our solutions and our service is right here:

www.phoenixcontact.com

Product range

- Cables and connectors
- Connectors
- Controllers and PLCs
- Electronic reversing contactors and motor control
- Electronics housing
- Ethernet networks
- Fieldbus components and systems
- Functional safety
- HMI and Industrial PCs
- I/O systems
- Industrial communication technology
- Industrial lighting
- Installation and mounting material
- Marking and labeling
- Measurement and control technology
- Modular terminal blocks
- Monitoring
- PCB terminal blocks and PCB connectors
- Power supply units and UPS
- Protective devices
- Relay modules
- Sensor cable and connectors
- Software
- Surge protection devices
- System cabling for DCS and PLC
- Tools
- Wireless data communication

USA

PHOENIX CONTACT
P.O. Box 4100
Harrisburg, PA 17111-0100
Phone: 800-888-7388
717-944-1300
Technical Service: 800-322-3225
Fax: 717-944-1625
E-mail: info@phoenixcon.com
Website: www.phoenixcontact.com

Canada

PHOENIX CONTACT Ltd
8240 Parkhill Drive
Milton, Ontario L9T 5V7
Toll Free: 800-890-2820
Phone: 905-864-8700
Fax: 905-864-7900
E-mail: cdinfo@phoenixcontact.ca



mGuard Secure Cloud

Get connected – Get protected

Totally secure connection from
virtually any location

mGuard Secure Cloud

Your passport to support

Phoenix Contact's mGuard Secure Cloud offers operators and machine builders a highly secure, web-based method for instant remote services to any machine and production plant within a client's network.

The mGuard Secure Cloud is a professionally hosted, turnkey remote-services ecosystem for both the machine builder and the plant operator.

Using a standard web browser, service personnel can connect to the Secure Cloud website and, after successfully authenticating, access all relevant client information: locations, operators, machines, users, as well as their access rights. A quick overview is also made available of all machines currently online.

Features and benefits

- Access total control of remote locations and customer machines in just a few clicks
- IPsec Virtual Private Network (VPN) is an accepted and highly secure IT standard
- Save on the cost of travel while providing superior customer service
- 24/7 support and service to machines
- Identify and solve complex problems remotely, provide program updates, ease commissioning of new equipment
- Create revenue
- Easy configuration via provided SD card
- Maintain regular contact with machinery in the field

Is it simple?

Implementing and operating an industry-standard remote services solution can be a complex task.

Our cloud-based service remedies this situation, with a turnkey system for industrial remote services for utility operators, machine builders and plant technicians.

Setup takes place in a few easy steps with hardware configuration provided.

Easy-to-use mGuard Secure Cloud allows fast and highly secure access to all machines in the connection.

Is it secure?

The mGuard Secure Cloud forms a powerful infrastructure in the cloud, securely interconnecting service staff with machines and plants via the Internet.

The mGuard VPN technology uses the IPsec security protocol with AES-256 encryption.

The mGuard guarantees the confidentiality, authenticity and integrity of all information and data transmitted between the service staff and the machines.

Is it reliable?

To ensure success in today's competitive global environment, companies are subject to ever stronger innovation and cost pressures.

For smaller, medium-size or highly specialized companies with smaller machine volumes, it is almost impossible to run an efficient in-house remote service solution at a reasonable cost and with high reliability, but their success requires it.

The mGuard Secure Cloud servers are housed in a state-of-the-art data center with 24x7x365 monitoring. This ensures maximum reliability to support your machines and your customers.

What is the role of the OEM?

As new machines are built for customer deployment, an mGuard RS2000 VPN or RS4000 VPN should be wired in. These mGuards will connect to the customer network or on a separate Internet connection via the WAN port, with the machine network connecting via the LAN port.

OEMs enroll new machines through the mGuard Secure Cloud web page. The configuration of the mGuard can be done through the device web page or through an SD memory card.

Once the machine's mGuard is enrolled in the portal, technicians or engineers needing to access the machine can instruct the customer to activate the tunnel and then do the following:

- Log in to mGuard Secure Cloud using their technician account
- Choose the machine requiring communication
- Start their own tunnel with a compatible software client or the mGuard SMART hardware

A secure connection with the machine has now been made over the web, and total control can be achieved through the real IP address.



What is the role of Phoenix Contact?

Leveraging the power of the cloud and maximizing your flexibility enable Phoenix Contact to be your IT department – hosting a state-of-the-art data center with a central mGuard that connects you to your remote devices over secure tunnels.

Our Secure Cloud administrators will also, based on your input, build the tunnel configurations for you, send them to you in an SD card format or email them to you for upload. The bottom line is this: We are standing by, ready to connect and support your end customers.

What is the role of the end customer?

Your end customer will simply connect the WAN port to a network open to the internet on TCP port 443. They then insert the SD card in the mGuard's SD card slot, power up and let the mGuard save the configuration instantly. With very little effort, their machine will be online.



Office

END USER

Home or away

mGuard
secure cloud

END USER

