

FL mGuard 1100/2100/4300 – Secure communication for industrial networks



Secure communication for industrial networks

mGuard Security Technology



Secure by Design

Security is part of the entire product lifecycle – from the certified development process in accordance with IEC 62243-4-1 to the integration of important security functions.



The mGuard product range

mGuard offers a range of security appliances for various applications.



Usable for many years

Long-term software maintenance and high security through timely updates



PSIRT

Daily Monitoring of vulnerabilities. These are Evaluated and fixed depending on the severity of the problem.



Security Expertise

Experience on Cyber Security for 20 Years. Experienced consulting team supports you in various rollout scenarios.



IT security made in Germany

The mGuard security routers fulfill all requirements for IT security made in Germany

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Product features

High processing speed without network restrictions

Integrated firewall protects against unwanted communication and access

Network segmentation protects against high traffic volumes, network overload, and unwanted access





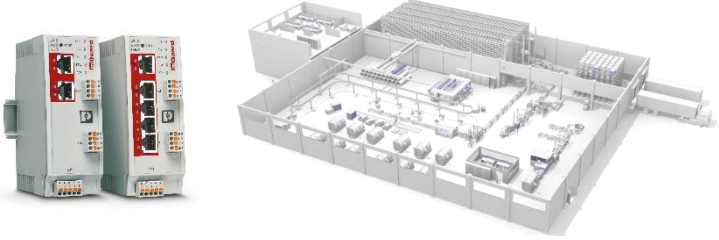
Network Address Translation (NAT) for easy integration of machines or subnetworks

Easy to retrofit in stealth mode without having to change the network

Secure remote access via the Internet or public networks

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Overview of the FL MGuard 1100, 2100, and 4300

FL mGuard 1100	FL mGuard 2100 NEW	FL mGuard 4300 NEW
		
Secure networking of plant sections with each other	Secure integration of machine networks into a production network	Secure integration and segmentation of OT networks
Plant engineers Small and medium-sized plant operators	Machine builder Plant builder	Medium-sized and larger plant operators Machine and plant builders with increased requirements for security functionalities
Routing, NAT, Firewall with assistant	+ VPN remote access Device Manager, Routing, NAT, Firewall mGuard secure cloud	+ Simple configuration and maintenance of complex and dynamic network structures with many participants Device Manager, IP/Port Groups, conditional firewall, DNS firewall, DMZ, ...

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Technical data

	FL mGuard 1000	FL mGuard 2100 NEW	FL mGuard 4300 NEW
			
Supply Voltage Range	18 V DC ... 32 V DC	12 V DC ... 36 V DC	12 V DC ... 36 V DC
Typical current consumption	120 mA (at 24 V DC)	120 mA (at 24 V DC)	120 mA (at 24 V DC)
Temperature Range	0°C ... +60°C	-20°C ... +60°C	-40°C ... +60°C
Ext. Memory	1xSD Card	1xSD Card	1xSD Card
Digital I/O	--	3 each	3 each
Approvals	CE / UL	CE / UL	CE / UL / DNV Marine Type Approval

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New products: FL mGuard 2102/4302

- New hardware with nearly gigabit throughput
- Same form factor but the ports are placed at the front
- Well known Firmware mGuard 8
 - Ported to new Hardware
 - Refactored with new linux kernel etc.
- Configuration compatible with RS2000/RS4000 (atv files, CGI, GAI config)
- Compatible to the current FL MGUARD Device Manager



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New products: FL mGuard 2102/4302

- Almost the same range of functions:
 - Routing, NAT 1:1, NAT, Firewall VPN included like in RS2000 and RS 4000
 - No license needed for VPN, 2 included in 2102, 250 included in 4302
 - Some functionality will be included in the next Firmware versions:
CIFS, OSPF, DMZ and device redundancy
- Existing device configurations can easily be transmitted via SD card or user interface



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The new 2100/4300 FL mGuards replace the existing mGuard portfolio

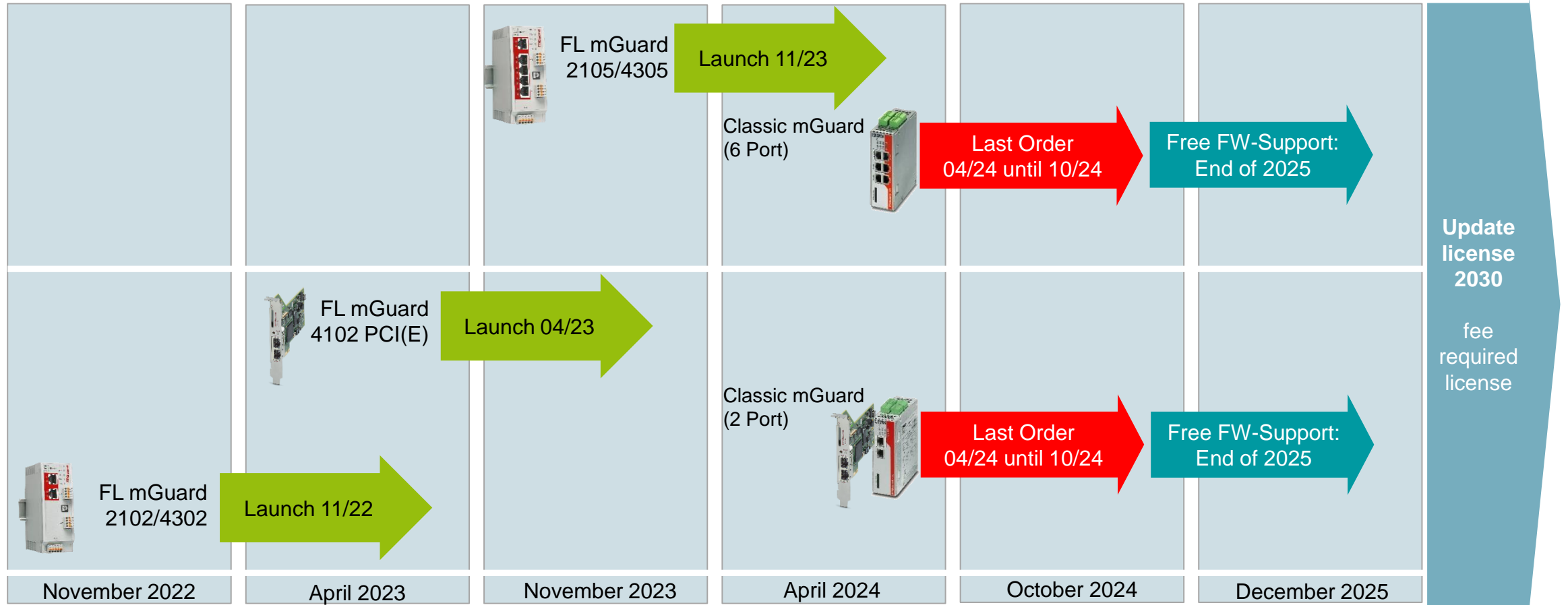
New product	...replaces the following products
1357828 FL MGUARD 2102	2700642 FL MGUARD RS2000 TX/TX VPN 2702139 FL MGUARD RS2000 TX/TX-B
1357850 FL MGUARD 2105 ¹	2701875 FL MGUARD RS2005 TX VPN
1357840 FL MGUARD 4302	2700634 FL MGUARD RS4000 TX/TX 2200515 FL MGUARD RS4000 TX/TX VPN 2702465 FL MGUARD RS4000 TX/TX VPN-M With restrictions: 2700197 FL MGUARD GT/GT 2700198 FL MGUARD GT/GT VPN
1357875 FL MGUARD 4305 ¹	2701876 FL MGUARD RS4004 TX/DTX 2701877 FL MGUARD RS4004 TX/DTX VPN
1357842 FL MGUARD 4102 PCIE ²	2701278 FL MGUARD PCIE4000 VPN
1441187 FL MGUARD 4102 PCI ²	2701275 FL MGUARD PCI4000 VPN

¹ available at the end of 2023

² available April 2023

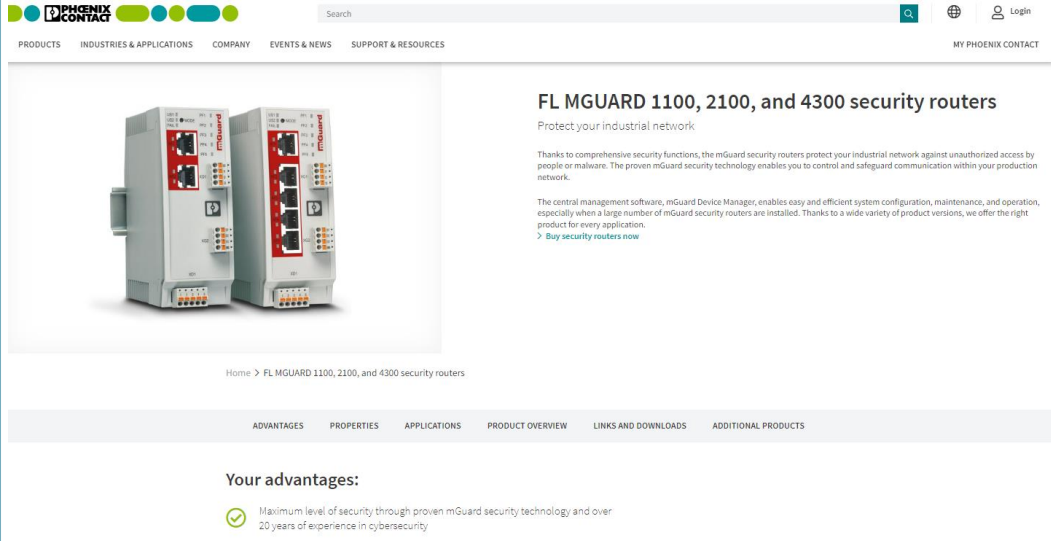
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Roadmap mGuard 2100/4300



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FL mGuard 1100/2100/4300



The screenshot shows the Phoenix Contact website product page for FL mGuard security routers. The page features a navigation menu at the top with links for PRODUCTS, INDUSTRIES & APPLICATIONS, COMPANY, EVENTS & NEWS, and SUPPORT & RESOURCES. A search bar and a 'Login' button are also present. The main content area includes a product image of two FL mGuard security routers, a title 'FL MGuard 1100, 2100, and 4300 security routers', and a sub-headline 'Protect your industrial network'. Below this, there is a paragraph of text describing the routers' security features and a link to 'Buy security routers now'. A breadcrumb trail shows 'Home > FL MGuard 1100, 2100, and 4300 security routers'. A secondary navigation bar contains links for ADVANTAGES, PROPERTIES, APPLICATIONS, PRODUCT OVERVIEW, LINKS AND DOWNLOADS, and ADDITIONAL PRODUCTS. The 'Your advantages:' section lists a maximum level of security through proven mGuard security technology and over 20 years of experience in cybersecurity.

**More information on our
website:
[phoe.co/security-router-
mGuard](https://phoe.co/security-router-mGuard)**