SDoT
Security Gateway

Network Security I Cross Domain Solutions

Highly Secure Next Generation Security Gateways for highly sensitive defense, government and enterprise scenarios

SDoT Security Gateway

Key benefits:

- Classified network grade connectivity between domains
- Highly reliable and fast
- Transmit all types of data
- Easy management and system integration
- Made in Germany guaranteed without backdoors

Key features

- Microkernel operating system
- Proprietary architecture meeting German, EU and NATO security standards
- EAL 4+ grade security and ISO 9001:2015 by design
- NATO STANAG 4774 & 4778
- Heat, shock and vibration resistant to work in the most demanding environments
- Optional firewall (any vendor)
- High-availability failover version available
- Fits in one 19" rack unit

Allianz für Cyber-Sicherheit
Partner

SecurITy made in Germany
Trust Seal
www.teletrust.de/itsmig

Overview

Based on years of research and development, our SDoT Security Gateway meets your most demanding network security, high-availability and compliance requirements. They are used on vessels out at sea, in containers in the desert or land-based sites and IT/OT data centers.

The SDoT Security Gateway guarantees that data exchanged between network domains of various classification levels is monitored and filtered to your needs. Data that is not intended to leave its domain will be blocked so you can concentrate on your mission.

The optional use of the SDoT Labelling Services allows you to add external XML labels to data objects that are not automatically managed by the SDoT Security Gateway's policies. Due to a cryptographic blockchain approach, neither the data nor the label can be tampered with undetected.

The SDoT Security Gateway uses a specially modified microkernel operating system L4, cryptography, an optional firewall and separation of the network so that all key functions can not be accessed by sophisticated attackers. These security features are combined with an easy to use management console that give administrators maximum control of their network security.

Full control of communication between different network domains

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Key specifications

	Security Gateway	Security Gateway Express
Housing		
Type	1U, 19“rack-mount	
Material	Stainless steel	
Front panel	Powder-coated	
Size	1U, 19” 438 x 573 x 43.6mm incl. power supply zone COMSEC 1	
Weight	approx. 9.5kg	
Performance		
CPU	Intel® Core™ i7-5700EQ Quad Core CPU	
Memory	2x SO-DIMM Socket / up to 32 GB DDR3L RAM	
Drive	Up to 6x SSD intern, 1x 2,5” HDD (Front)	
LAN	4x Network interfaces (4x SFP/Mini-GBIC for fiber optic ports or RJ45 modules)	6x Network interfaces (4x SFP/Mini-GBIC for fiber optic ports or RJ45 modules, 2x LC-fiber connector 10 Gbit/s)
Rear IO	1x Battery compartment with battery cell, 2x power supply	
Front IO	2x USB 3.0, 1x USB 2.0 (HSM), 1x Displayport, 1x Touch-LCD Display, 2x Reset-Pushbutton (1x Mainboard, 1x HSM), 1x On-Off-Switch, 1x Ground Screw	
Power	redundant, 100-240 VAC, 50-60 Hz, 5-3 A	
Cooling	Fan module with 4x fans	
Power input	95 W (incl. possible expansion cards)	
Sound level	<60 dBA	
MTBF	60,000 to 90,000 hours	
Data formats	Any (eg. XML, ADEXP, NMEA, DIS, ADatP3, ASTERIX, LINK16, HLA, Jchat/XMPP)	
Other		
Temperature	-30°C to 70°C (Storage), 0°C to 45°C (Operation)	
Humidity	up to 95 % at 45°C w/o COND	
Vibration	In accordance to BV 0240 / 3 Hz to 100 Hz	
Shock / Impact	To a level of 12g / 35ms	
Standards	CE, ROHS, REACH, ISO 9001, STANAG 4107, NATO AQAP (21xx-23xx)	
NATO MCM #	BSI-VSA-10295	
BSI	BSI-VSA-10134 / 10295	

Related products

- SDoT Diode – Fast and Highly Secure, software based, high-speed, unidirectional data diode
- SDoT Labelling Service & RCE – Secure blockchain XML labelling of data objects
- SDoT Malware Protection Service – Multiple leading-edge malware protection engines
- SDoT Secure Log Service – Auditable blockchain based logging server
- PATCH.works – Efficient patch management of isolated “air gapped” networks

About INFODAS

INFODAS was founded in 1974 in Germany. We provide product agnostic Cybersecurity consulting and system integration services as well as innovative IT solutions. Our solutions are used in the most demanding, mission critical and sensitive security environments of defense, government and commercial clients.

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