



Stonesoft MIL-320

Security Engine



Datasheet

- Stonesoft's AET-prevention deep inspection technology in a rugged appliance
- Shock and vibration resistant
- Shielded from damp, water and dust
- Reliable operation in extreme temperatures
- Resilient encrypted communications between base and deployed units
- Ideal for mobile deployment in command centers, signals, armored vehicles, naval patrol etc.
- Straightforward configuration and management

STONESOFT

The Stonesoft MIL-320 Security Engine/Firewall/VPN appliance is designed for the military, network infrastructure specialists and other organizations that need to implement fixed or deployable network security in operating environments that are too demanding for normal security appliances.

Modern military operations are increasing the demand for networks and applications for the command, control and administration of deployed forces. Signals and network defense specialists in the modern military are required to facilitate distributed operations with robust, secure, high-performance networks that enable situational awareness, collaborative working, and office tools in the field.

The Stonesoft MIL-320 has been designed for failure-free, high performance operation in extreme temperatures, wet, mud and dust. The MIL-320 is small, portable, heavy duty, resistant to bumps and shocks, and is available in black or military green livery.

Stonesoft is the Finnish cyber security specialist that has pioneered world-leading research into advanced evasion techniques (AETs) – the sophisticated, resource-intensive exploit delivery methods used by hackers and nation states to stealthily bypass conventional network security appliances. All Stonesoft products utilize thorough data stream based normalization and inspection across all protocols and network layers – to detect and prevent AETs and prevent perimeter penetration.

MIL-320 Specifications

SOFTWARE FEATURE SPECIFICATIONS

See the Security Engine datasheet at www.stonesoft.com

MAXIMUM PERFORMANCE	L3 FW/VPN	L2 FW / IPS / IDS
Throughput (UDP 1514 byte packets, no inspection)	2 Gbps	2 Gbps
Throughput (UDP 1514 byte packets, with inspection)	800 Mbps	800 Mbps
64 byte packets per second (no inspection)	370 000	370 000
HTTP inspection (21 kB payload)	200 Mbps	200 Mbps
SSL/TLS inspection throughput (AES256-SHA)	100 Mbps	100 Mbps
New TCP connections/sec (no inspection)	25 000	25 000
New inspected HTTP connections/sec (21 kB payload)	1 500	1 500
Concurrent connections	5 million	5 million
Inspected concurrent connections	180 000	180 000
VLANs	Unlimited	
VPN throughput (AES-128-GCM)	450 Mbps	
VPN throughput (AES-256-SHA2)	240 Mbps	
VPN tunnels	15 000	
Virtual Engines (default/max)	5/5	

NETWORK INTERFACES

Ethernet	4x 10/100/1000 Mbps copper WLAN support: * IEEE 802.11a/b/g/n * 2.4 GHz / 5 GHz bands * WEP / WPA security
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CONNECTORS

Ethernet	RJ45 (-C1 model) or Glenair 801 (-C2 model)
USB	2 x USB2
Serial	1 x RJ45
WLAN antenna	2 x TNC
Power	1 x MIL-C-5015 JMS3116F12-3S
Display	1 x VGA

MEASUREMENTS

Form factor	Desktop
Dimensions (W x H x D)	270 x 68 x 250 mm / 10.63 x 2.68 x 9.84 inches
Net weight	4.25 kg / 9.34 lbs

STANDARD COMPLIANCE

General	CE, FCC, RoHS (-C1 model)
EMC	MIL-STD 461E Requirements: CE102, CS101, CS114, CS115, CS116, RE102, RS103
Environment	IEC 60068-2-1 Aa (Cold) IEC 60068-2-2 Bb (Dry heat) EN 60068-2-30 Dd (Damp heat cyclic) IEC 60529 Casing IP65

Mechanical	IEC 60068-2-6 Fc: Sinusoidal Vibration (1.5 G) IEC 60068-2-64 Fc: Random Vibration (1.5 G) RMS IEC 60068-2-32 Ed: Drop (75 cm) IEC 60068-2-27 Ea: Shock (50 G) IEC 60068-2-29 Eb: Bump (25 G, 16 ms)
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POWER

Power supply	DC input: 10 - 32V, Default external PSU: 60W, AC 100-240 V, 50-60Hz
Typical power consumption	25 W (with heating element up to 85W)

OTHER

Operating temperature	-25—+55°C / -13—+131°F (for arctic environments 90W PSU required)
Storage temperature	-40—+60°C / -40—+140°F
Ingress Protection class	IP65 (Complete protection against dust and very good protection against water)
Standard color options	Matt green (AN100) Matt black (inquiry availability)

SUPPORT

Replacement service	15 months or 39 months replacement service for non-complying hardware
Premium support	24/7-call logging via web, email and phone, two-hour response time, software updates, hardware replacement service
Basic support	8/5-call logging via web, email and phone, next business day response time, software updates, hardware replacement service

PRODUCT CODES

APP-MIL-320-C1	Stonesoft MIL-320 appliance, DC power supply, RJ-45 Ethernet connectors
APP-MIL-320-C2	Stonesoft MIL-320 appliance, DC power supply, MIL-STD Ethernet connectors

ADD-ON PRODUCT CODES

SP-SPU-AC-320	External AC power supply 90W (no ingress protection)
SP-CBL-RJ45-MM-2M	2 meter gigabit Ethernet cable RJ45 – Glenair 801 connectors
SP-ANT-WLAN-2	2.4Ghz WLAN vehicle antennas for MIL-320 appliance