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
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](http://www.stonesoft.com)

### MAXIMUM PERFORMANCE

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

### 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

### 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)

### 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