

Network Traffic and Security Management

freeGuard Slim 100 > Network Traffic and Security Management

The freeGuard Slim 100 flow manager is a compact in-line appliance that manages network traffic flows to optimize and protect network and server infrastructures. Deployed in front of servers or network equipment, the freeGuard Slim 100 flow manager is a non-intrusive solution for managing against bandwidth abuse or attacks against network infrastructure. Based on the new "RDX" technology, it supports monitoring network flows at 2Gbps throughput while maintaining line quality and low latency. The freeGuard Slim 100 flow manager is configured using granular user-defined policies identifying thresholds for session creation, per flow bandwidth and aggregate bandwidth.

With its compact form factor and low power characteristics, the freeGuard Slim 100 supports flexible deployment options that are traditionally limited by space and power restrictions. Using less than 15 Watts, the freeGuard Slim 100 flow manager reduces the cost of operation over traditional flow monitoring devices.

The freedom9 freeGuard Slim 100 is designed for:

- Advanced server attack detection and alerting
- Session bandwidth usage monitoring
- Early network bandwidth health altering
- Network anomaly detection
- Non-intrusive and real-time session monitoring

Model Numbers

| | |
|--------------------|---|
| Model Name | freeGuard Slim 100 |
| Description | Network traffic and security management |
| Part Number | FSL100 |

Model Numbers - Support Packages

| Model Name | Description | Part Number |
|------------------------|----------------------|-------------|
| freeGuard Slim 100 SP1 | 1 Yr Support Package | FSL100S1 |
| freeGuard Slim 100 SP2 | 2 Yr Support Package | FSL100S2 |
| freeGuard Slim 100 SP3 | 3 Yr Support Package | FSL100S3 |



Features

- 2Gbps throughput
- Flow and aggregate bandwidth monitor
- Session creation monitor
- Transparent non-intrusive deployment
- Less than 15W of power consumption
- Compact size w_xl_xh (3" x 6 3/4" x 1 3/8")

Applications

- In-line network flow monitor
- Deep inspection overlay
- Malicious traffic notification
- Bandwidth management
- Network health monitoring

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Specifications

Maximum performance and capacity

| | |
|------------------------------------|-----------|
| Throughput | 2Gbps |
| Concurrent flows in stateful mode | 192,000 |
| Concurrent flows in stateless mode | Unlimited |

Port configuration

| | |
|--------------|-------------------|
| Interfaces | 2 x (10/100/1000) |
| Console port | RJ-45 |

Mode of operation

| | |
|------------------------------------|-------------------------|
| Network modes | Transparent |
| Management interface configuration | Static |
| Hardware bypass | External unit available |

Policies

| | |
|---|-----|
| Maximum policies | 220 |
| Per flow bandwidth threshold alerts | Yes |
| Per policy session creation rate alerts | Yes |
| Aggregate bandwidth thresholds alerts | Yes |

Attack detection (Optional)

| | |
|---------------------------------------|-----|
| DOS / DDOS | Yes |
| TCP Reassembly for fragmented packets | Yes |
| Malformed packet | Yes |
| Stateful protocol signature | Yes |
| Reverse route lookup | Yes |
| UDP Flood | Yes |

Networking

| | |
|---------------------------------|-----|
| Multicast traffic pass-through | Yes |
| DHCP pass-through | Yes |
| Policy-based traffic priorities | Yes |
| QOS support | Yes |

System management, logging and monitoring

| | |
|------------|-----------------------------------|
| Syslog | Up to 2 servers |
| SNMP | v2 |
| Management | HTTP, HTTPS, Telnet, SSH, Console |

Physical specifications

| | |
|---------------------------|----------------------|
| Dimensions (w x l x d) | 3 x 6 3/4 x 1 3/8 in |
| Weight | 1.3 Lbs |
| Maximum power consumption | 15 Watts |

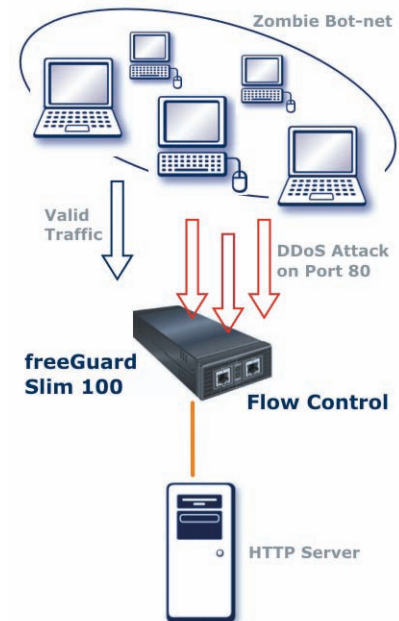
Environmental specifications

| | |
|------------------------------|----------------------|
| Operating temperature | 0° C - 45° C |
| Storage temperature | -25° C - 70° C |
| Operating / storage humidity | 5-90% non-condensing |

Certification / compliance*

| | |
|--------|--|
| ROHS | Yes |
| Safety | UL60950-I, EN60950, TUV |
| EMC | FCC Class A, EN55022 Class A, VCCI Class A, C-Tick |

Source-based to destination-based session and bandwidth alerting



The freeGuard Slim 100 is the ideal solution for:

- Information service providers
- Datacenters
- Government agencies
- Banking and financial institutions
- Educational institutions
- High performance computing
- Retail and point-of-sale businesses

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* Contact freedom9 for more information on FIPS certification / compliance