

Product Models

IntelliGuard's range of DDoS Protection System (DPS) appliances provides industry-leading protection with unmatched accuracy and performance, and a unique focus on maximizing the amount of legitimate traffic delivered to protected servers and Internet services.

The DPS product line fits the needs of all businesses, including smaller enterprises and the world's largest data centres with high bandwidth and redundancy requirements. Appliances are available with throughputs of 2Gbps up to 12Gbps (bidirectional) and offer extremely high filtering performance and detection accuracy, high availability, up to 64,000 protection zones, and fibre or copper automatic bypass interfaces

For service providers, IntelliGuard's DPS DDoS Protection Systems enable higher-value Service Level Agreements (SLAs), help attract new customers that require protection, and help retain customers that might otherwise defect to a provider better able to mitigate attacks. To increase revenue and reduce costs, providers can:

- Generate additional direct revenue via premiums for DDoS-protected bandwidth and hosting
- Attract and retain customers by building protection into standard service offerings
- Trim core network infrastructure provisioning by removing traffic floods at the network edge
- Avoid collateral damage by preventing traffic floods impacting multiple customers' services
- Alleviate labor-intensive manual procedures by automatically mitigating traffic floods

DPS2000 Series

IntelliGuard's 1RU-chassis 2Gbps (bidirectional) base models suit those with modest bandwidth. The system includes two 1GigE interfaces for active/active and active/passive deployments.

DPS3000 Series

These 1RU 2-3Gbps (bidirectional) models suit those running higher bandwidth and requiring redundant power supply and complete remote management. They can be configured with up to four 1GigE or 10GigE interfaces, supporting up to 32Gbps throughput.

DPS4000 Series

The 2RU 2-3Gbps (bidirectional) models have all the features of the 3000 Series plus up to eight 1GigE interfaces or four 10GigE interfaces.

DPS12000 Series

These 4RU 2-12Gbps (bidirectional) models suit those running 10 Gbps networks. They come with up to twelve 1GigE or up to eight 10GigE interfaces and can support up to 32Gbps system throughput.

RS 1000

The RS 1000 is a 1RU reporting server that collects output data from any IntelliGuard DPS chassis to produce detailed historical reports about network conditions and attacks covering any time period from minutes to years. The extensive reporting capabilities highlight and describe current and historical network conditions and attacks, allowing improved protection monitoring and assisting network management and planning.

Data Sheet

| DDoS Protection Models | | DPS2000 | DPS3000 | DPS4000 | DPS12000 |
|------------------------------|---|---|-----------------------------------|---------------------------------------|--|
| Performance | Availability ¹ | Now | 2 nd Qtr 2008 | 2 nd Qtr 2008 | 3 rd Qtr 2008 |
| | Throughput: 64-byte frames | 2 Gbps | 2-3 Gbps | 2-3 Gbps | 2-12 Gbps |
| | Throughput: 1500-byte frames | 2 Gbps | ≤ 32 Gbps | ≤ 32 Gbps | < 32 Gbps |
| | Customer addresses tracked (learned and ranked) | 16 million | | | |
| | Latency | < 50 microseconds | | | |
| | Attack response time | < 1 sec | | | |
| Attack Protection | Spoofed floods | TCP flood, UDP (DNS floods, SIP floods, others), ICMP, other IP | | | |
| | Full connection attacks | HTTP connection floods, other TCP floods (SMTP/FTP etc) | | | |
| | Zero-day attacks | ✓ | | | |
| Bandwidth Management | No. of protected entities | 64,000 | | | |
| | Protectable entities | CIDR block, host/IP, port/service, protocol | | | |
| | Maximum rate defined by | Packet rate, bandwidth, SYN rate | | | |
| | Guaranteed rates on | Packet rate, bandwidth, SYN rate | | | |
| Management | Configuration | XML-based format, Console CLI, SSH CLI, Java GUI | | | |
| | User Interface | Java-based visualization of attack flows, mitigation success, system health, packets/bandwidth passed/dropped, packet drop justifications, packet size distribution, packets per protocol, bandwidth per protocol, geographical sources | | | |
| | Management API | XML RPC-based management API | | | |
| | Logging | SYSLOG, SQL database | | | |
| High Availability | Redundant power supply | x | ✓ | ✓ | ✓ |
| | Active/Active & Active/Passive | x | ✓ | ✓ | ✓ |
| | Link failure detection | ✓ | | | |
| | Device failure detection | ✓ | | | |
| | Automatic interface bypass | ✓ | | | |
| Deployment options | Always inline | ✓ | | | |
| | Inline on demand | ✓ | | | |
| | Automatic learn limits and IP | ✓ | | | |
| Hardware | Network interfaces | 2 x 1GigE fiber/copper | 2-4 1GigE fiber /copper or 10GigE | 2-8 1GigE fiber /copper or 2-4 10GigE | 2-12 1GigE fiber /copper or 2-8 10GigE |
| | Management interface | 1GigE copper | 1GigE copper | 1GigE copper | 1GigE copper |
| | Height | 1RU | 1RU | 2RU | 4RU |
| | Dimensions (D x W x H) mm | 645 x 436 x 43.6 | 632 x 445 x 43.8 | 632 x 445 x 87.6 | 609 x 432 x 176 |
| | Power | 100V-240VAC | | | |
| | Reporting Server – RS100 | | | | |
| Report output | HTML / PDF / Text / XML | | | | |
| Per-protected-entity reports | ✓ | | | | |
| Report intervals | Minute, hour, day, week, month, year, or user-specified | | | | |
| Attack/Event reporting | Attack type/duration, legitimacy distribution, reason for packet drops, packets passed /dropped (bandwidth/number), traffic goodness, traffic rate (bandwidth per minute) | | | | |

1 Availability and specifications are subject to change without notice. Please consult your IntelliGuard representative for more information.