








IBM Internet Security Systems Comparison Datasheet

IBM Proventia[®] Network Intrusion Prevention System (IPS)

Uncompromising Protection for Every Layer of Your Network








With a comprehensive line of models, the IBM Proventia[®] Network IPS family delivers uncompromising protection for every layer of the network, protecting your business from both internal and external threats.

Technical Specifications

	Network						
	Remote Segments		Perimeter			Core	
							
Model	GX3002	GX4002	GX4004	GX5008	GX5108	G2000	GX6116
Performance Characteristics							
Throughput	10 Mbps	200 Mbps	200 Mbps	400 Mbps	1.2 Gbps	2 Gbps	5 Gbps
Latency	< 1 millisecond	< 150 microseconds	< 150 microseconds	< 200 microseconds	< 200 microseconds	< 100 microseconds	TBD
Concurrent Sessions	TBD	1,200,000	1,200,000	1,200,000	1,450,000	1,300,000	TBD
Connections per Second	TBD	21,000	21,000	35,000	40,000	40,000	TBD
Operating Modes							
Active Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Passive Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Inline Simulation	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Scalability							
Protected Segments	1	1	2	4	4	4	8
Monitoring Interfaces	2 x 10/100/1000 Copper	2 x 10/100/1000 Copper	4 x 10/100/1000 Copper	8 x 10/100/1000 Copper or 4 x 10/100/1000 Copper + 4 x SFP/Mini-GBIC Ports (1000 TX/SX/LX)	8 x 10/100/1000 Copper or 4 x 10/100/1000 Copper + 4 x SFP/Mini-GBIC Ports (1000 TX/SX/LX)	8 x 10/100/1000 Copper and/or SX Fiber (LC)	16 x SFP/Mini-GBIC Ports (1000 TX/SX/LX)
High Availability							
Active-Active	No	No	No	Yes	Yes	Yes	Yes
Active-Passive	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hardware-level Bypass	Integrated Bypass	Integrated Bypass	Integrated Bypass	External Bypass (optional)	External Bypass (optional)	Integrated Copper Bypass Bypass External Fiber Bypass (optional)	External Bypass (optional)
Redundant Power Supplies	No	No	No	Yes	Yes	Yes	Yes
Redundant Storage	No	No	No	Yes	Yes	Yes	Yes
Dimensions							
Form Factor	Desktop	1-RU	1-RU	2-RU	2-RU	2-RU	2-RU
Height (in/mm)	1.97/50	1.73/44	1.73/44	3.5/88	3.5/88	3.4/8.75	3.5/88
Width (in/mm)	8.86/225	16.9/429	16.9/429	16.9/429	16.9/429	16.93/43	16.9/429
Depth (in/mm)	8.07/205	15/382	15/382	20.5/520	20.5/520	26.46/67.20	20.5/520
Weight (lb/kg)	2.6/1.2	24.5/11.	24.5/11.	40/18	40/18	60/27	TBD

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Technical Specifications Continued

	Network						
	Remote Segments		Perimeter			Core	
							
Model	GX3002	GX4002	GX4004	GX5008	GX5108	G2000	GX6116
Power Dissipation							
Units	AC	AC	AC	AC	AC	AC	AC
Amps	1.5/1.0	4.96/2.48	4.96/2.48	8.4/4.2	8.4/4.2	8.9/5.4	TBD
Voltage (V)	115/220	115/220	115/220	115/220	115/220	115/220	TBD
Input Range (V)	100-127/200-240	100-127/200-240	100-127/200-240	100-127/200-240	100-127/200-240	100-127/200-240	TBD
Operating Temperature	67°F to 130°F (5°C to 40°C)	50°F - 86°F (10°C - 30°C)	50°F - 86°F (10°C - 30°C)	50°F - 86°F (10°C - 30°C)	50°F - 86°F (10°C - 30°C)	50°F - 95°F (10°C - 35°C)	TBD
Non-Operating Temperature	58°F to 184°F (0°C to 70°C)	-4°F - 158°F (-20°C - 70°C)	-4°F - 158°F (-20°C - 70°C)	-4°F - 158°F (-20°C - 70°C)	-4°F - 158°F (-20°C - 70°C)	-40°F - 158°F (-40°C - 70°C)	TBD
Relative Humidity (Non-Operating)	90% @ 86°F (30°C)	90% @ 86°F (30°C)	90% @ 86°F (30°C)	90% @ 86°F (30°C)	90% @ 86°F (30°C)	95% @ 86°F (30°C)	TBD
Safety Certification	- UL - EN 60950-1	- UL - EN 60950-1	- UL - EN 60950-1	- UL - EN 60950-1	- UL - EN 60950-1	- UL - EN 60950-1 - IEC 60950-1 - AS/NZS 60950	- UL - EN 60950-1
Emissions Certification	- FCC Class B - EN 55022 Class B - EN 55024 - EN 61000-3-2 - EN 61000-3-3 - AS/NZS CISPR 22 - VCCI Class A	- FCC Class A - EN 55022 - EN 55024 - EN 61000-3-2 - EN 61000-3-3 - VCCI Class A	- FCC Class A - EN 55022 - EN 55024 - EN 61000-3-2 - EN 61000-3-3 - VCCI Class A	- FCC Class A - EN 55011 Class A - EN 55022 Class A - EN 55024 - EN 61000-3-2 - EN 61000-3-3 - EN 6100-6-2 - VCCI Class A	- FCC Class A - EN 55011 Class A - EN 55022 Class A - EN 55024 - EN 61000-3-2 - EN 61000-3-3 - EN 6100-6-2 - VCCI Class A	- FCC Class A - EN 55022 - EN 55024 - EN 61000-3-2 - EN 61000-3-3 - ICES-003 Class A - AS/NZS CISPR 22	- FCC Class A - EN 55011 Class A - EN 55022 Class A - EN 55024 - EN 61000-3-2 - EN 61000-3-3 - EN 6100-6-2 - VCCI Class A
Environmental Certification	RoHS	RoHS	RoHS	RoHS	RoHS	RoHS	RoHS



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