

*Delivering uncompromising protection for every layer
of the network*



IBM Proventia Network Intrusion Prevention System

Preemptive protection for your network

With a comprehensive line of models, the IBM Proventia® Network Intrusion Prevention System (IPS) is designed to deliver uncompromising protection for every layer of the network, protecting your business from both internal and external threats.

Technical specifications

Model	GX3002	GX4002	GX4004	GX5008	GX5108	G2000	GX6116
Typical deployment	Remote office	Remote office	Network perimeter	Network perimeter	Network core	Network core	Network core
Performance characteristics							
Throughput	10 Mbps	200 Mbps	200 Mbps	400 Mbps	1.2 Gbps	2 Gbps	15 Gbps
Inspected throughput	10 Mbps	200 Mbps	200 Mbps	400 Mbps	1.2 Gbps	2 Gbps	6 Gbps
Latency	< 1 millisecond	< 150 microseconds	< 150 microseconds	< 200 microseconds	< 200 microseconds	< 200 microseconds	< 150 microseconds
Connections per second	3,750	21,000	21,000	35,000	40,000	40,000	160,000
Concurrent sessions (rated max)	220,000	1,200,000	1,200,000	1,200,000	1,450,000	1,300,000	4,600,000
Physical characteristics							
Form factor	Desktop	1 rack unit	1 rack unit	2 rack units	2 rack units	2 rack units	2 rack units
Dimensions							
Height (in/mm)	1.97/50	1.73/44	1.73/44	3.5/88	3.5/88	3.40/87.5	3.5/88
Width (in/mm)	8.86/225	16.9/429	16.9/429	16.9/429	16.9/429	16.93/430	16.9/429
Depth (in/mm)	8.07/205	15/382	15/382	20.5/520	20.5/520	26.4/672	20.5/520
Weight (lb/kg)	2.6/1.2	24.5/11.1	24.5/11.1	40/18	40/18	60/27	56/25.45
Monitoring interfaces	2x10/100 copper	2x10/100/1,000 copper only	4x10/100/1,000 copper only	8x10/100/1,000 copper or 4x10/100/1,000 copper + 4x SFP/mini-GBIC ports (TX/SX/LX transceivers supported) or 8x SFP/mini-GBIC ports (1,000 TX/SX/LX)	8x10/100/1,000 copper or 4x10/100/1,000 copper + 4x SFP/mini-GBIC ports (TX/SX/LX transceivers supported) or 8x SFP/mini-GBIC ports (1,000 TX/SX/LX)	8x10/100/1,000 copper and/or SX Fiber (LC)	16x SFP/mini-GBIC ports (1,000 TX/SX/LX)
Inline protected segments	1 network segment	1 network segments	2 network segments	4 network segments	4 network segments	4 network segments	8 network segments
Redundant power supplies	No	No	No	Yes	Yes	Yes	Yes
Redundant storage	No	No	No	Yes	Yes	Yes	Yes
High availability	Active-active: no Active-passive: yes Hardware-level bypass: integrated bypass	Active-active: no Active-passive: yes Hardware-level bypass: integrated bypass	Active-active: no Active-passive: yes Hardware-level bypass: integrated bypass	Active-active: yes Active-passive: yes Hardware-level bypass: external bypass (optional)	Active-active: yes Active-passive: yes Hardware-level bypass: external bypass (optional)	Active-active: yes Active-passive: yes Hardware-level bypass: requires optional integrated copper bypass External fiber bypass (optional)	Active-active: yes Active-passive: yes Hardware-level bypass: external bypass (optional)

Model	GX3002	GX4002	GX4004	GX5008	GX5108	G2000	GX6116
Power requirements							
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	10/5
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	100-240
Operating temperature	41°F–104°F (5°C–40°C)	50°F–95°F (10°C–35°C)	50°F–95°F (10°C–35°C)	50°F–95°F (10°C–35°C)	50°F–95°F (10°C–35°C)	50°F–95°F (10°C–35°C)	50°F–104°F (10°C–40°C)
Nonoperating temperature	32°F–158°F (0°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)	-4°F–158°F (-20°C–70°C)	-4°F–158°F (-20°C–70°C)	-4°F–158°F (-20°C–70°C)
Relative humidity (nonoperating)	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)	90% @ 86°F (30°C)
Safety certification	UL EN 60950-01	UL EN 60950-01	UL EN 60950-01	UL EN 60950-01	UL EN 60950-01	UL EN 60950-01 IEC 60950-1 AS/NZS 60950	UL EN 60950-01
Emissions	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 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 Class A EN 55024 EN 61000-3-2 EN 61000-3-3 VCCI Class A	FCC Class A EN 55022 Class A 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 ICES-003 Issue 4 CISPR 22 VCCI Class A	FCC Class A EN 55022 Class A EN 55011 Class A AS/NZS CISPR 2004 Class A EN 6100-6-4 EN 61000-3-2 EN 61000-3-3 EN 55024 VCCI Class A
Environmental certification	RoHS	RoHS	RoHS	RoHS	RoHS	RoHS	RoHS

For more information

To learn more about IBM Proventia Network IPS and other IBM Global Services capabilities, contact your IBM representative or IBM Business Partner, or visit:

ibm.com/services/us/iss



© Copyright IBM Corporation 2007

IBM Global Services
Route 100
Somers, NY 10589
U.S.A.

Produced in the United States of America
11-07
All Rights Reserved

IBM, the IBM logo and Proventia are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both.

Other company, product and service names may be trademarks or service marks of others.

References in this publication to IBM products or services do not imply that IBM intends to make them available in all countries in which IBM operates.

All performance data contained in this publication was obtained in the specific operating environment and under the conditions described above and is presented as an illustration. Performance obtained in other operating environments may vary and customers should conduct their own testing.