



Model	IPS5500-75EC	IPS 5500-150EC	IPS 5500-150ES	IPS 5500-500EC	IPS 5500-500ES	IPS 5500-1000EC	IPS 5500-1000ES	IPS 5500-2000ES	IPS 5500-2400ES
Interfaces									
Copper Ethernet ports (10BASE-T/100BASE-TX/1000BASE-T)	4	8	0	8	0	8	0	0	0
Pluggable 1GbE ports (SFP modules)	0	0	8	0	8	0	8	0	0
Pluggable 10GbE ports (SFP+ modules)	0	0	0	0	0	0	0	4	4
Management ports (10/100/1000)	2	4	4	4	4	4	4	2	2
Ports - Serial Console, Auth, Service	1 Serial, 1 USB 2.0	1 Serial, 1 USB 2.0	1 Serial, 1 USB 2.0	1 Serial, 1 USB 2.0	1 Serial, 1 USB 2.0	1 Serial, 1 USB 2.0	1 Serial, 1 USB 2.0	1 Serial, 1 USB 2.0	1 Serial, 1 USB 2.0
Zero Power Bypass Capability	Internal, 2 port-pairs	Internal, 4 port-pairs	external, optional unit	Internal, 4 port-pairs	external, optional unit	Internal, 4 port-pairs	external, optional unit	external, optional unit	external, optional unit
Performance/Capacity									
Target Network Capacity	In-line 100BASE-TX & Lightly Utilized Gigabit Ethernet Networks	In-line 100BASE-TX & Lightly Utilized Gigabit Ethernet Networks	In-line Gigabit Ethernet Network Light Utilization	In-line Gigabit Ethernet Network Moderate Utilization	In-line Gigabit Ethernet Network Moderate Utilization	In-line Gigabit Ethernet Network Heavy Utilization	In-line Gigabit Ethernet Network Heavy Utilization	In-line 10 Gigabit Ethernet Network Moderate Utilization	In-line 10 Gigabit Ethernet Network Heavy Utilization
MAX Throughput	300 Mbps	600+ Mbps	600+ Mbps	2.4 Gbps	2.4 Gbps	4.4 Gbps	4.4 Gbps	8 Gbps	10 Gbps
MAX Inspected Throughput	150 Mbps	300+ Mbps	300+ Mbps	1.0 Gbps	1.0 Gbps	2.0 Gbps	2.0 Gbps	4 Gbps	8 Gbps
Typical Latency ¹	< 35 uSec	< 35 uSec	< 35 uSec	< 35 uSec	< 35 uSec	< 35 uSec	< 35 uSec	< 35 uSec	< 45 uSec
Typical Inspected Latency ¹	< 50 uSec	< 50 uSec	< 50 uSec	< 50 uSec	< 50 uSec	< 50 uSec	< 50 uSec	< 50 uSec	< 60 uSec
MAX Concurrent Sessions	128,000	256,000	256,000	1 Million	1 Million	2 Million	2 Million	2 Million	4 Million
MAX Session Setup/Teardown	15,000/Sec	40,000/Sec	40,000/Sec	40,000/Sec	40,000/Sec	40,000/Sec	40,000/Sec	50,000/Sec	100,000/Sec
MAX SYN Flood DoS Protection Rate	150,000/Sec	500,000/Sec	500,000/Sec	1,000,000/Sec	1,000,000/Sec	1,500,000/Sec	1,500,000/Sec	2,000,000/Sec	3,000,000/Sec
ProtectionCluster™ Capable	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Physical/Environmental									
Size (H x W x D in centimeters)	1-RU 4.4 x 44 x 51.5	1-RU 4.4 x 44 x 51.5	1-RU 4.4 x 44 x 51.5	1-RU 4.4 x 44 x 51.5	1-RU 4.4 x 44 x 51.5	1-RU 4.4 x 44 x 51.5	1-RU 4.4 x 44 x 51.5	1-RU 4.4 x 44 x 51.5	2-RU 4.4 x 44 x 51.5
Weight	16.1 lbs. (7.3 Kgs)	18.1 lbs. (8.2 Kgs)	18.1 lbs. (8.2 Kgs)	18.1 lbs. (8.2 Kgs)	18.1 lbs. (8.2 Kgs)	18.1 lbs. (8.2 Kgs)	18.1 lbs. (8.2 Kgs)	18.1 lbs. (8.2 Kgs)	36.2 lbs. (16.4 Kgs)
Operating Temperature	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C
MTBF Rating	>300,000 hours (25°C ambient)	>300,000 hours (25°C ambient)	>300,000 hours (25°C ambient)	>300,000 hours (25°C ambient)	>300,000 hours (25°C ambient)	>300,000 hours (25°C ambient)	>300,000 hours (25°C ambient)	>200,000 hours (25°C ambient)	>200,000 hours (25°C ambient)
Power & Cooling									
Power Supplies	Single H/S PSU (2nd Optional)	Dual Hot-swappable Power Supply Units	Dual Hot-swappable Power Supply Units	Dual Hot-swappable Power Supply Units	Dual Hot-swappable Power Supply Units	Dual Hot-swappable Power Supply Units	Dual Hot-swappable Power Supply Units	Dual Hot-swappable Power Supply Units	Four Hot-swappable Power Supply Units
AC Input	100 to 240 VAC auto-ranging, 50-60Hz	100 to 240 VAC auto-ranging, 50-60Hz	100 to 240 VAC auto-ranging, 50-60Hz	100 to 240 VAC auto-ranging, 50-60Hz	100 to 240 VAC auto-ranging, 50-60Hz	100 to 240 VAC auto-ranging, 50-60Hz	100 to 240 VAC auto-ranging, 50-60Hz	100 to 240 VAC auto-ranging, 50-60Hz	100 to 240 VAC auto-ranging, 50-60Hz
Max Power Consumption	<90W	<95W	< 100W	<95W	< 100W	<95W	< 100W	< 150W	< 300W
Cooling	Hot-swappable N+1 fan tray	Hot-swappable N+1 fan tray	Hot-swappable N+1 fan tray	Hot-swappable N+1 fan tray	Hot-swappable N+1 fan tray	Hot-swappable N+1 fan tray	Hot-swappable N+1 fan tray	Hot-swappable N+1 fan tray	2 Hot-swappable N+1 fan trays
Compliance & Approvals									
Compliance to EMC Emissions	FCC Part 15-7.10.2008, EN55022: 2006+A1:2007, CISPR22:2005+A1+A2:2005, VCCI-3 2009.04, AS/NZS CISPR22:2006, EN 61000-3-2:2006, EN61000-3-3:1995 +A1:2001+A2:2005, EN61000-3-11:2000, EN 61000-3-12:2005								
Compliance to EMC Immunity	EN55024:1998 including Amendment 1:2001 & Amendment 2:2003(CISPR24:1997 +A1:2001 +A2:2002), EN 61000-4-2:1995 +A1:1998 +A2:2001, EN 61000-4-3:2006, EN 61000-4-4:2004, EN 61000-4-5:2006, EN 61000-4-6:1996 +A1:2001, EN 61000-4-8:1993 +A1:2001, EN 61000-4-11:2004								
Compliance to Safety	UL 60950-1, 2 nd Ed., CSA C22.2 No. 60950-1, 2 nd Ed., EN 60950-1, 2 nd Ed., IEC 60950-1, 2 nd Ed., ROHS Compliant								
International Compliance Approvals	UL Listed, CUL, AS/NZS 3260, CE, FCC Class A, VCCI Class A, ICES-003 Class A								

¹Typical latency values measured for packet sizes up to 1518 Bytes