

# All PacketShaper® Models

## WAN Application Optimization Solutions



PacketShaper Complete Series	1200	1400 Lite	1400	1550	1700	2500	3500
<b>Maximum Capacity</b>							
IP Flows (TCP/Other IP)*	4,000 / 2,000	4,000 / 2,000	5,000 / 2,500	5,000 / 2,500	30,000 / 15,000	5,000 / 2,500 (128k-6M link) 20,000 / 10,000 (10M link)	40,000 / 20,000
Classes	64	64	256	256	512	512	512
Dynamic Partitions	**	**	**	**	1,024	512	1,024
Static Partitions	32	32	128	128	256	256	256
Shaping Policies	64	64	256	256	512	512	512
Max # of Matching Rules	320	320	640	640	2,562	1,280	2,562
IP Hosts*	5,000	5,000	5,000	5,000	15,000	10,000	20,000
Active Tunnels	5	5	10	10	15	30	30
<b>Software Options and Upgrades</b>							
Monitoring Only	N/A	Yes	Yes	Yes	Yes	Yes	Yes
Link Speeds	128 Kbps 512 Kbps 2 Mbps — — —	128 Kbps 512 Kbps 2 Mbps — — —	128 Kbps 512 Kbps 2 Mbps — — —	128 Kbps 512 Kbps 2 Mbps — — —	512 Kbps 512 Kbps 2 Mbps 6 Mbps 10 Mbps 45 Mbps —	128 Kbps 512 Kbps 2 Mbps 6 Mbps 10 Mbps —	512 Kbps 2 Mbps 6 Mbps 10 Mbps 45 Mbps —
Compression***	2 Mbps	2 Mbps	2 Mbps	2 Mbps	20 Mbps	4 Mbps	20 Mbps
<b>Interfaces</b>							
Network Interfaces (in and out)	Copper: 10/100 Mbps	Copper: 10/100 Mbps	Copper: 10/100 Mbps	Copper: 10/100 Mbps	Copper: 10/100 Mbps Copper: 10/100/1,000 Mbps	Copper: 10/100 Mbps	Copper: 10/100/1,000 Mbps
LAN Expansion Modules (max 2)	N/A	Backup pair built in	Backup pair built in	N/A	N/A	10/100 Mbps	Copper: 10/100/1,000 Mbps Fiber: 1,000 Mbps
Out-of-Band Management Port	No	Through backup ports	Through backup ports	No	Yes	With LEM	Yes
Console Port	All have RS-232 (AT-compatible) with male DB-9 connectors						
<b>Dimensions (All are 19 in rack-mountable)</b>							
Height	1U (1.75 in/4.45 cm)	1U (1.75 in/4.45 cm)	1U (1.75 in/4.45 cm)	1U (1.75 in/4.45 cm)	1U (1.75 in/4.45 cm)	2U (3.50 in/8.89 cm)	2U (3.50 in/8.89 cm)
Width	17 in (43.18 cm)	16.97 in (43.10 cm)	16.97 in (43.10 cm)	17 in (43.18 cm)	17 in (43.18 cm)	17 in (43.18 cm)	17.35 in (44.07 cm)
Depth	14 in (35.56 cm)	10.63 in (27.00 cm)	10.63 in (27.00 cm)	14 in (35.56 cm)	14 in (35.56 cm)	14 in (35.56 cm)	16 in (40.64 cm)
Weight	11 lb (4.99 kg)	12.79 lbs (5.80 kg)	12.79 lbs (5.80 kg)	11 lb (4.99 kg)	14 lb (6.35 kg)	16 lb (7.36 kg)	18.04 lb (8.18 kg)
<b>Power</b>							
Power Supply	100/240 VAC; 50/60 Hz, 2 A	100/240 VAC; 50/60 Hz, 5 A	100/240 VAC; 50/60 Hz, 5 A	100/240 VAC; 50/60 Hz, 2 A	100/240 VAC; 50/60 Hz, 2.5 A	100/240 VAC; 50/60 Hz, 2 A	100/240 VAC; 50/60 Hz, 2.5 A
Dual, Redundant Load Sharing	No	No	No	No	No	No	No
<b>Additional Features</b>							
Interoperability	XML, XML and CGI APIs, SNMP MIB, SNMP event traps; HP OpenView, InfoVista, Concord eHealth, Aprisma Spectrum, Micromuse Netcool						
Device Management	Console access, Web browser interface, Telnet CLI, SNMP Packeteer MIB and MIB-II support						
<b>Agency Approval</b>							
Safety	IEC 60950-1; EN 60950-1+A11, CAN/CSA-C22.2 No. 60950-1-03; UL 60950-1-03; EN 60825-1,-2 Class I Laser						
EMC/ EMI	AS/NZS 3548 Class A; AS/NZS 4252.1; ICES-003 Class A; EMC Directive 89/336/EEC; EN 300 386 v1.3.1:2001 Telecom EMC standard; EMC Directive 73/23/EEC; EMC Directive 93/68/EEC; EN 55022: 1998 Class A; EN 61000-3-2:1995_A1(98) + A2(98), & prA14(00); EN 61000-3-3:1995; EN 55024:1998; VCCI2002 Class A; KNS5022 Class A; KN6100-4-2,3,4,5,6,8,11; GOST-R 60950-2002; GOST-R 51318.22-99, .24-99; FCC 47 CFR part 15, subpart B Class A; CNS 13438 Class A						

Note: Not all capacity specifications can be maximized simultaneously.

\* PacketShaper can support more hosts and flows; these figures represent ideal maximums for producing optimal results; numbers are rounded up or down to the nearest thousand. These maximums represent concurrent flows. Performance may vary due to the number of new flows, traffic type, traffic mix and other conditions unique to each deployment.

\*\* No extra partitions are specifically allocated for dynamic partitions. The 1200, 1400 Lite, 1400 and 1550 have a pool of partitions to be shared between static and dynamic partitions.

\*\*\* Refers to post-compressed traffic rates - maximum compressed throughput specifications for PacketShaper are lower when compression is enabled due to the extra processing power required to compress traffic.

# All PacketShaper Models

## WAN Application Optimization Solutions



PacketShaper Complete Series	6500	7500	9500	10000		
<b>Maximum Capacity</b>						
IP Flows (TCP/Other IP)*	75,000 / 37,500**	75,000 / 37,500**	200,000/100,000	400,000 / 200,000		
Static Partitions	256	512	512	512		
Classes	512	1,024	1,024	1,024		
Dynamic Partitions	5,000	5,000	10,000	10,000		
Shaping Policies	512	1,024	1,024	1,024		
Max # of Matching Rules	1,250	2,500	5,120	5,000		
IP Hosts*	25,000	25,000	150,000	200,000		
Active Tunnels	50	50	100	300		
<b>Software Options and Upgrades</b>						
Monitoring Only	Yes	Yes	Yes	Yes		
Link Speeds	2 Mbps	10 Mbps	10 Mbps	45 Mbps		
	6 Mbps	45 Mbps	45 Mbps	100 Mbps		
	—	100 Mbps	100 Mbps	200 Mbps		
	—	—	200 Mbps	—		
	—	—	—	—		
Compression***	10 Mbps	10 Mbps	45 Mbps	45 Mbps		
<b>Interfaces</b>						
Network Interfaces (in and out)	Copper: 10/100 Mbps	Copper: 10/100 Mbps	Copper: 10/100/1,000 Mbps	Copper: 10/100/1,000 Mbps Fiber: 1,000 Mbps		
LAN Expansion Modules (max 2)	Copper: 10/100/1,000 Mbps Fiber: 1,000 Mbps	Copper: 10/100/1,000 Mbps Fiber: 1,000 Mbps	Copper: 10/100/1,000 Mbps Fiber: 1,000 Mbps	Copper: 10/100/1,000 Mbps Fiber: 1,000 Mbps		
Out-of-Band Management Port	With LEM	With LEM	Yes	With LEM		
Console Port	All have RS-232 (AT-compatible) with male DB-9 connectors					
<b>Dimensions (All are 19" rack-mountable)</b>						
Height	2U (3.50 in/8.89 cm)	2U (3.50 in/8.89 cm)	2U (3.50 in/8.89 cm)	2U (3.50 in/8.89 cm)		
Width	17 in (43.18 cm)	17 in (43.18 cm)	17.35 in (44.07 cm)	17.31 in (43.97 cm)		
Depth	15.25 in (38.74 cm)	15.25 in (38.74 cm)	16 in (40.64 cm)	19.25 in (48.90 cm)		
Weight	17 lb (7.71 kg)	17 lb (7.71 kg)	20.48 lb (9.29 kg)	27 lb (12.25 kg)		
<b>Power</b>						
Power Supply	100/240 VAC; 50/60 Hz, 2 A	100/240 VAC; 50/60 Hz, 2 A	100/240 VAC; 50/60 Hz, 2.5 A	100/240 VAC; 50/60 Hz, 6 A		
Dual, Redundant Load Sharing	Yes	Yes	Yes; Hot-swappable	Yes; Hot-swappable		
<b>Additional Features</b>						
Interoperability	XML, XML and CGI APIs, SNMP MIB, SNMP event traps; HP OpenView, InfoVista, Concord eHealth, Aprisma Spectrum, Micromuse Netcool					
Device Management	Console access, Web browser interface, Telnet CLI, SNMP Packeteer MIB and MIB-II support					
<b>Agency Approval</b>						
Safety	IEC 60950-1; EN 60950-1+A11, CAN/CSA-C22.2 No. 60950-1.03; UL 60950-1.03; EN 60825-1,-2 Class I Laser					
EMC/EMI	AS/NZS 3548 Class A; AS/NZS 4252.1; ICES-003 Class A; EMC Directive 89/336/EEC; EN 300 386 v1.3.1: 2001 Telecom EMC standard; EMC Directive 73/23/EEC; EMC Directive 93/68/EEC; EN 55022: 1998 Class A; EN 61000-3-2:1995_A1(98) + A2(98), & prA14(00); EN 61000-3-3:1995; EN 55024:1998; VCCI:2002 Class A; KN55022 Class A; KN6100-4-2,3,4,5,6,8,11; GOST-R 60950-2002; GOST-R 51318.22-99, -24-99; FCC 47 CFR part 15, subpart B Class A; CNS 13438 Class A					

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\*\* Numbers may vary according to the version of operating software on PacketShaper.

\*\*\* Refers to post-compressed traffic rates - maximum compressed throughput specifications for PacketShaper are lower when compression is enabled due to the extra processing power required to compress traffic.

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