












Features	OnDemand Switch VL Series	OnDemand Switch VL XL Series	OnDemand Switch 3 Series	OnDemand Switch 3 XL Series
				
Nominal Throughput	AppDirector 208: Up to 200 Mbps AppDirector 508: Up to 500 Mbps AppDirector 1008: Up to 1 Gbps AppDirector 2008: Up to 2 Gbps AppDirector 4008: Up to 4 Gbps	AppDirector 208 XL: Up to 200 Mbps AppDirector 508 XL: Up to 500 Mbps AppDirector 1008 XL: Up to 1 Gbps AppDirector 2008 XL: Up to 2 Gbps AppDirector 4008 XL: Up to 4 Gbps	AppDirector 8016: Up to 8 Gbps AppDirector 12016: Up to 12 Gbps AppDirector 16016: Up to 16 Gbps AppDirector 20016: Up to 20 Gbps	AppDirector 8016 XL: Up to 8 Gbps AppDirector 12016 XL: Up to 12 Gbps AppDirector 16016 XL: Up to 16 Gbps AppDirector 20016 XL: Up to 20 Gbps
SSL CPS	500 CPS scalable up to 5,000 CPS	5,000 CPS scalable up to 10,000 CPS	500 CPS scalable up to 7,000 CPS	10,000 CPS scalable up to 36,000 CPS
Compression	100 Mbps scalable up to 1 Gbps	500 Mbps scalable up to 1 Gbps	100Mbps scalable up to 1.5 Gbps	1 Gbps scalable up to 3.5 Gbps (optional hardware compression)
Routing Protocols	OSPF, RIP, RIP II			
Processor	Intel Core 2 quad-core 2.6 GHz		2 AMD Shanghai quad-core 2.5 GHz	
Memory	Up to 8GB		Up to 32GB	
Gigabit/GBIC Ports	6 Gigabit Ethernet Ports (Copper) + 2 Gigabit Fiber Ports (SFP-GBIC Mini)		4 10 Gigabit Fiber Ports (XFP pluggable optics) + 4 Gigabit Fiber Ports (SFP-GBIC Mini) + 8 Gigabit Ethernet Ports (Copper)	
1000Base-SX/LX/ZX Ports	All gigabit fiber ports deliver SX/LX/ZX interfaces depending on GBIC			
1000Base-SX (850 nm) Operating Distance	<ul style="list-style-type: none"> <li>• 62.5 micron MM fiber .2 m to 275 m</li> <li>• 50 micron MM fiber .2 m to 550 m</li> </ul>			
1000Base-LX/ZX Operating Distance	<ul style="list-style-type: none"> <li>• LX: Up to 10 km (6.2 mi)</li> <li>• ZX: Up to 80 km (49.7 mi)</li> </ul>			
USB Port	On front panel			
LCD Screen	NA		On front panel	
RS-232C Console	RJ-45 serial connection		<ul style="list-style-type: none"> <li>• DB-9 serial connection</li> <li>• Female DCE interface</li> </ul>	
Dimensions	1U: <ul style="list-style-type: none"> <li>• Width: 424 mm (17 in.)</li> <li>• Depth: 457 mm (18 in.)</li> <li>• Height: 44 mm (1.7 in.)</li> </ul> EIA Rack or Standalone: 482 mm (19 in.)		2U: <ul style="list-style-type: none"> <li>• Width: 424 mm (17 in.)</li> <li>• Depth: 600 mm (24 in.)</li> <li>• Height: 88 mm (3.4 in.)</li> </ul> EIA Rack or Standalone: 482 mm (19 in.)	
Weight	1U: 7.6 kg (16.8 lbs)	1U: 7.7 kg (17 lbs)	2U: 15 kg (33.1 lbs)	2U: 15.1 kg (33.3 lbs)
Environmental	<ul style="list-style-type: none"> <li>• Operating temperature: 0°C to 40°C (32°F to 104°F)</li> <li>• Humidity: 5% to 95% non-condensing</li> </ul>			
Power	<ul style="list-style-type: none"> <li>• Auto-range supply:               <ul style="list-style-type: none"> <li>o AC: 100-240V 47~63Hz</li> <li>o DC: -36~-72V</li> </ul> </li> <li>• Power consumption: 168W</li> <li>• Heat dissipation: 573 BTU/h</li> <li>• Optional Dual power supply (AC/DC)</li> </ul>	<ul style="list-style-type: none"> <li>• Auto-range supply:               <ul style="list-style-type: none"> <li>o AC: 100-240V 47~63Hz</li> <li>o DC: -36~-72V</li> </ul> </li> <li>• Power consumption: 188W</li> <li>• Heat dissipation: 641 BTU/h</li> <li>• Optional Dual power supply (AC/DC)</li> </ul>	<ul style="list-style-type: none"> <li>• Auto-range supply:               <ul style="list-style-type: none"> <li>o AC: 100-240V 47~63Hz</li> <li>o DC: -36~-72V</li> </ul> </li> <li>• Power consumption: 513W</li> <li>• Heat dissipation: 1749 BTU/h</li> <li>• Dual power supply (AC/DC)</li> </ul>	<ul style="list-style-type: none"> <li>• Auto-range supply:               <ul style="list-style-type: none"> <li>o AC: 100-240V 47~63Hz</li> <li>o DC: -36~-72V</li> </ul> </li> <li>• Power consumption: 537W</li> <li>• Heat dissipation: 1831 BTU/h</li> <li>• Dual power supply (AC/DC)</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>• Safety: EN 60950-1:2006, CB - IEC 60950-1, CCC, cTUVus/cULus,</li> <li>• EMC: CE - EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3, IEC 61000 4-2 to 4-6, IEC 61000 4-8 &amp; IEC 61000-4-11, FCC Part 15B Class A, ICES-003, VCCI, C-Tick</li> <li>• RoHS 6</li> </ul>			

Features	OnDemand Switch 1 Series	OnDemand Switch 1 XL Series	OnDemand Switch 2 Series	OnDemand Switch 2 XL Series
				
Nominal Throughput	AppDirector 204: Up to 200 Mbps AppDirector 504: Up to 500 Mbps AppDirector 1004: Up to 1 Gbps AppDirector 2004: Up to 2 Gbps AppDirector 4004: Up to 4 Gbps	AppDirector 1004 XL: Up to 1 Gbps AppDirector 2004 XL: Up to 2 Gbps AppDirector 4004 XL: Up to 4 Gbps	AppDirector 1016: Up to 1 Gbps AppDirector 2016: Up to 2 Gbps AppDirector 4016: Up to 4 Gbps	AppDirector 1016 XL: Up to 1 Gbps AppDirector 2016 XL: Up to 2 Gbps AppDirector 4016 XL: Up to 4 Gbps
SSL CPS	500 CPS scalable up to 2,000 CPS	5,000 CPS scalable up to 20,000 CPS	500 CPS scalable up to 2,000 CPS	5,000 CPS scalable up to 20,000 CPS
Compression	100 Mbps scalable to 250 Mbps	500 Mbps scalable to 1 Gbps (optional hardware compression)	100 Mbps scalable to 250 Mbps	500 Mbps scalable to 1 Gbps (optional hardware compression)
Routing Protocols	OSPF, RIP, RIP II			
Processor	AMD Opteron dual-core 2.2 GHz	2 AMD Opteron dual-core 2.2 GHz	AMD Opteron dual-core 2.6 GHz	2 AMD Opteron dual-core 2.6 GHz
Memory	2GB	Up to 12GB	Up to 4GB	Up to 12GB
Gigabit/GBIC Ports	4 Gigabit Ethernet Ports (Copper or Fiber)		12 Gigabit Ethernet Ports (Copper) + 4 Gigabit Fiber Ports (SFP-GBIC Mini)	
1000Base-SX/LX/ZX Ports	All gigabit fiber ports deliver SX/LX/ZX interfaces depending on GBIC			
1000Base-SX (850 nm) Operating Distance	<ul style="list-style-type: none"> <li>62.5 micron MM fiber .2 m to 275 m</li> <li>50 micron MM fiber .2 m to 550 m</li> </ul>			
1000Base-LX/ZX Operating Distance	<ul style="list-style-type: none"> <li>LX: Up to 10 km (6.2 mi)</li> <li>ZX: Up to 80 km (49.7 mi)</li> </ul>			
USB Port	On front panel			
LCD Screen	On front panel			
RS-232C Console	<ul style="list-style-type: none"> <li>DB-9 serial connection</li> <li>Female DCE interface</li> </ul>			
Dimensions	1U: <ul style="list-style-type: none"> <li>Width: 424 mm (17 in.)</li> <li>Depth: 600 mm (24 in.)</li> <li>Height: 44 mm (1.7 in.)</li> </ul> 2U: <ul style="list-style-type: none"> <li>Width: 424 mm (17 in.)</li> <li>Depth: 600 mm (24 in.)</li> <li>Height: 88 mm (3.4 in.)</li> </ul> EIA Rack or Standalone: 482 mm (19 in.)		1U: <ul style="list-style-type: none"> <li>Width: 424 mm (17 in.)</li> <li>Depth: 600 mm (24 in.)</li> <li>Height: 88 mm (3.4 in.)</li> </ul> 2U: <ul style="list-style-type: none"> <li>Width: 424 mm (17 in.)</li> <li>Depth: 600 mm (24 in.)</li> <li>Height: 88 mm (3.4 in.)</li> </ul> EIA Rack or Standalone: 482 mm (19 in.)	
Weight	1U: 9.6 kg (21.2 lbs) 2U: 13.1 kg (28.9 lbs)	1U: 10.1 kg (23.3 lbs) 2U: 13.6 kg (30 lbs)	1U: 9.7 kg (21.4 lbs) 2U: 13.2 kg (29.1 lbs)	1U: 10.2 kg (22.5 lbs) 2U: 13.7 kg (30.2 lbs)
Environmental	<ul style="list-style-type: none"> <li>Operating temperature: 0°C to 40°C (32°F to 104°F)</li> <li>Humidity: 5% to 95% non-condensing</li> </ul>			
Power	<ul style="list-style-type: none"> <li>Auto-range supply:               <ul style="list-style-type: none"> <li>o AC: 100-240V 47~63Hz</li> <li>o DC: -36~-72V</li> </ul> </li> <li>Power consumption: 151W</li> <li>Heat dissipation: 515 BTU/h</li> <li>Dual power supply (AC/DC) in 2U form</li> </ul>	<ul style="list-style-type: none"> <li>Auto-range supply:               <ul style="list-style-type: none"> <li>o AC: 100-240V 47~63Hz</li> <li>o DC: -36~-72V</li> </ul> </li> <li>Power consumption: 275W</li> <li>Heat dissipation: 940 BTU/h</li> <li>Dual power supply (AC/DC) in 2U form</li> </ul>	<ul style="list-style-type: none"> <li>Auto-range supply:               <ul style="list-style-type: none"> <li>o AC: 100-240V 47~63Hz</li> <li>o DC: -36~-72V</li> </ul> </li> <li>Power consumption: 192W</li> <li>Heat dissipation: 655 BTU/h</li> <li>Dual power supply (AC/DC) in 2U form</li> </ul>	<ul style="list-style-type: none"> <li>Auto-range supply:               <ul style="list-style-type: none"> <li>o AC: 100-240V 47~63Hz</li> <li>o DC: -36~-72V</li> </ul> </li> <li>Power consumption: 316W</li> <li>Heat dissipation: 1077 BTU/h</li> <li>Dual power supply (AC/DC) in 2U form</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>Safety: EN 60950-1:2006, CB - IEC 60950-1, CCC, cTUVus/cULus,</li> <li>EMC: CE - EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3, IEC 61000 4-2 to 4-6, IEC 61000 4-8 &amp; IEC 61000-4-11, FCC Part 15B Class A, ICES-003, VCCI, C-Tick,</li> <li>RoHS 6</li> </ul>			

Feature	AppXcel 300/1000/2000			AppXcel 4000/8000/16000			AppXcel 32000
							
SSL Transactions/Second	300	1,000	2,000	4,000	8,000	16,000	32,000
Concurrent SSL Connections	1,500	3,000	10,000	20,000	50,000	150,000	150,000
Memory	256 MB		512 MB	512MB – 3 GB			4GB
Network Interfaces	<ul style="list-style-type: none"> <li>• 2x 10/100BaseTX ports</li> <li>• RS-232C connector</li> </ul>			<ul style="list-style-type: none"> <li>• One of the two options:               <ul style="list-style-type: none"> <li>– 2x 10/100/1000BaseTX ports</li> <li>– 1x 10/100BaseTX &amp; 1x 1000BaseSX port</li> </ul> </li> <li>• RS-232C connector</li> </ul>			<ul style="list-style-type: none"> <li>• 2x 10/100/1000BaseTX management ports</li> <li>• 4x 10/100/1000BaseTX traffic ports</li> <li>• RS-232C connector</li> </ul>
Operating Environment	<ul style="list-style-type: none"> <li>• Temperature: 0 to 40°C</li> <li>• Relative humidity: 5% to 95% non-condensing</li> </ul>			<ul style="list-style-type: none"> <li>• Temperature: 0 to 40°C</li> <li>• Relative humidity: 5% to 95% non-condensing</li> </ul>			<ul style="list-style-type: none"> <li>• Temperature: 0 to 40°C</li> <li>• Relative humidity: 5% to 95% non-condensing</li> </ul>
Weight & Dimensions:	<ul style="list-style-type: none"> <li>• W 430.0mm x D 504.7mm x H 43.7mm</li> <li>• Weight: 7.25kg</li> <li>• Standard 19 inch EIA rack or standalone</li> </ul>			<ul style="list-style-type: none"> <li>• W 430.0mm x D 504.7mm x H 43.7mm</li> <li>• Weight: 7.25kg</li> <li>• Standard 19 inch EIA rack or standalone</li> </ul>			<ul style="list-style-type: none"> <li>• W 430.0mm x D 504.7mm x H 131.7mm</li> <li>• Weight: 17.3kg</li> <li>• Standard 19 inch EIA rack or standalone</li> </ul>
Power	<ul style="list-style-type: none"> <li>• Auto-range supply: 100-250V 50-60Hz</li> <li>• Power consumption: 122 Watts</li> <li>• Heat dissipation: 417 BTU/h</li> </ul>			<ul style="list-style-type: none"> <li>• Auto-range supply: 100-250V 50-60Hz</li> <li>• Power consumption: 148 Watts</li> <li>• Heat dissipation: 505 BTU/h</li> </ul>			<ul style="list-style-type: none"> <li>• Auto-range supply: 100-250V 50-60Hz</li> <li>• Power consumption: 330 Watts</li> <li>• Heat dissipation: 1127 BTU/h</li> </ul>
Certifications	• EMI: EN 55022, FCC Part 15B Class B			• EMI: EN 55022, FCC Part 15B Class B			• EMI: EN 55022, FCC Part 15B Class B

Technical specifications and product information are subject to change without prior notice.

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