

Affordable Load Balancing, High Performance and Feature-Rich

XPoint is the leader in load balancing and application delivery solutions at price points most customers can easily afford. With all-in-one solution from server load balancing to global server load balancing, it can meet the needs of almost any applications.

The AppScaler 1020 is a 1RU single-power appliance with 3Gbps throughput that supports all load balancing and application delivery features and provides a cost-effective yet powerful solution for medium size businesses and small enterprises.



Hardware Platform Specification

Performance	
Throughput (L4/L7)	3.5Gbps/3Gbps
SSL TPS (1K/2K Keys)	10,000/5,000
Concurrent Connections	8,500,000
Layer 7 HTTP RPS	70,000
Network Interface	
Gigabit Copper	8
Gigabit Fiber	0
10GE Fiber	0
Hardware Specification	
Processor	Intel Dual Core
Memory (ECC RAM)	8GB
Storage	120GB SSD
ASIC SSL Hardware	Yes
Dimensions(W x D x H)	430mm (W) x 350mm (D) x 44mm (H)
Rack Units (Mountable)	1U
Unit Weight	9 kgs
Power Supply	1U ATX single power supply
Heat in BTU/hour	1050
Operating Ranges	Temperature 0° - 40° C Humidity 10% - 85%

Application Delivery

IPv4/IPv6 support

TCP/UDP Layer 4/7 Server Load Balancing

Loading Balancing Methods

- Round Robin
- Ratio Round Robin
- Least Connection
- Ratio Least Connection
- Predictive
- Ratio Response Time
- Source IP Hash

Layer 7 Content Switching

- URL
- URL Token
- HTTP Method
- HTTP Request Header
- HTTP Content
- Source IP

Layer 4/7 Session Persistence

- HTTP(s) Session
- RDP
- RDS Session
- Source IP
- SSL SessionID

Advanced Health Monitoring

- ICMP
- TCP/UDP
- HTTP(s)
- SMTP/POP3
- DNS/FTP/LDAP/NNTP
- and more

STARTTLS support for Secure Email & LDAP

Virtual Server Group/Member Support

SSL Acceleration

SSL Termination and SSL Bridging Support

TLS(1.0,1.1,1.2,1.3) and SSL(2.0,3.0) Support

SNI Support

TLS/SSL Certificate Chaining

TLS/SSL Intermediate Certificate

ASIC-Based SSL Accelerator

4096-bit SSL Key Support

Hardware Security Module Support

Single Sign-On

Endpoint Pre-Authentication

SSO Profile/Group

Authentication protocols

- LDAP
- Radius
- RSA SecurID
- Kerberos
- NTLM

Single Sign-On methods

- Client Initiated HTTP Form
- Client Initiated HTTP Form + RS HTTP Basic Auth
- Client Initiated HTTP Form + RS HTTP Form
- Client Initiated HTTP Form + RS Kerberos
- Client HTTP NTLM Auth
- Client HTTP NTLM Auth + RS Kerberos

Two factor authentication

Custom Login and Post Form

Application Security

Web Application Firewall

- Cross Site Scripting
- SQL Injection
- Cookie Tampering
- Real time block or audit
- Up to date WAF rules

Integrated DDoS protection for application services

Snort Compatible Intrusion Prevention

Kernel Level ACL

IP Anomaly Detection

Connection Limiting

Global Server Load Balancing

Active-Active and Active-Passive Deployment Mode

Intelligent Distribution Methods

- Round Robin
- Static Proximity
- Location
- Ratio Round Robin
- Custom Load
- Dynamic Metrics

Networking

Integrated Layer 2/Layer 3
One-arm, Multi-arm Support
Direct Server Return Support
NAT-Based Forwarding
VLAN Trunking (802.1Q)
Link Aggregation (802.3ad)
VXLAN Support
Full native IPv6 management and feature support
SLB-PT (Protocol Translation),
SLB-64 (IPv4<->IPv6, IPv6<->IPv4)
SNAT
Stateful Failover

Virtualization

Virtual Appliance for VMware vSphere ESXi,
Microsoft Hyper-V and Citrix Xen
Hypervisor acceleration and management integration

Administration

Dedicated on-box management interface (GUI, CLI, SSH,)
Web User Interface
Real time packet capture for analysis and debug
Comprehensive Reports and Logs
Role Based Management

Authorized Distributor :



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