

## 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 3010 is a 1RU redundant-power appliance with 27Gbps throughput that supports all load balancing and application delivery features and provides a cost-effective yet powerful solution for large enterprises.



## Hardware Platform Specification

| Performance            |                                             |
|------------------------|---------------------------------------------|
| Throughput (L4/L7)     | 27Gbps/25Gbps                               |
| SSL TPS (2K Keys)      | 35,000                                      |
| Concurrent Connections | 80,000,000                                  |
| Layer 7 HTTP RPS       | 1,100,000                                   |
| Network Interface      |                                             |
| Gigabit Copper         | 4                                           |
| Gigabit Fiber          | Optional                                    |
| 10GE Fiber             | 4                                           |
| 25GE Port(SFP28)       | 0                                           |
| 40GE Port(QSFP+)       | 0                                           |
| 100GE Port(QSFP28)     | 0                                           |
| Hardware Specification |                                             |
| Processor              | Intel 8 Core                                |
| Memory (ECC RAM)       | 64GB                                        |
| Storage                | 256GB SSD                                   |
| ASIC SSL Hardware      | Yes                                         |
| Dimensions(W x D x H)  | 500mm (W) x 440mm (D) x 50mm (H)            |
| Rack Units (Mountable) | 1U                                          |
| Unit Weight            | 12 kgs                                      |
| Power Supply           | 1U 350W Redundant Power Supply              |
| Heat in BTU/hour       | 3000                                        |
| 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  
Dynamic routing (BGP, BFD, OSPFv2/v3, RIP, RHI)

## *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