

# CROSSBEAM X-SERIES X20, X30, & X50

## BENEFITS:

- Utilize best-in-class applications to fit your business and maximize security
- Consolidate multiple security applications within one flexible platform
- Lower total cost of ownership with dramatic network consolidation and energy consolidation
- Extend hardware capital depreciation cycles to 5+ years

## HIT THE RESET BUTTON

We've become used to buying boxes to solve security issues - the problem with that is that we live in a world where security always changes and fixed form-factor security products just can't keep up. At Crossbeam, we took the challenge head on and developed the X-Series - An open adaptable platform that is capable of handling the changes in your business and the security landscape.

The X-Series integrates superior network processing together with exceptional application processing on an open architecture - which means you get to choose best-in-class applications to run on the platform to maximize your security - protecting the assets, brand, and customers - that is what Crossbeam provides.

The secret to the platform is that it's actually a Virtual Infrastructure or "network-in-a-box" that provides a responsive system that is change-ready to your application and performance needs. Our Virtual Infrastructure delivers exceptional performance by leveraging every ounce of processing resource and maximizing system life.

The X-Series platforms allow businesses to consolidate network infrastructure (switches, load balancers, patch cabling, and power cords) and appliances supporting security applications. This greatly simplifies deployment, with fewer devices to manage, a smaller footprint and of course a lower cost of ownership.

The X20, X30, and X50 platforms come ready to run one best-in-class security application right out of the box, and can be managed with our Crossbeam Network Management System (XMS). All systems come preconfigured with all the necessary processor modules and Power Supplies and can be easily expanded to increase the performance of that application, or add a second application.



The system is designed using five components:

- (1) Carrier grade chassis
- (2) Network Processor Module (NPM)
- (3) Application Processor Module (APM)
- (4) Control Processor Module (CPM)
- (5) XOS Operating System

The most powerful innovation is our X-Series Operating System (XOS). At Crossbeam, we believe the secret to a successful platform is its operating system. That's why we have spent the last 10 years perfecting our creation.

We built an operating system that allows multiple best-of-breed applications to live on the same platform working together seamlessly, and with the ability to centralize control and visibility of the entire system. 600 person-years of effort later, XOS is in use by some of the largest banks, service providers, mobile operators, schools, and governments around the world. With XOS, a Virtual Infrastructure is created allowing customers to move, add, and change applications onto the same hardware within minutes and to do so without fear of downtime.

In effect, XOS created a new genre of Network Security Platforms.

## CHASSIS SPECIFICATIONS:

CHASSIS	All Platforms
Type	Flexible
Physical Dimensions	Dimensions (HxWxD) 13.5x17.5x19in (34.3x44.4x48.2cm) 8 rack units Front Rack Mountable Standard 19" Racks
Weight	39 lb (17.7kg) - Empty Chassis
Power	100-240 VAC 2,700W Rated Maximum Ships with 2 Hot-Swappable 1,200W 120-240 VAC PSUs per System
Cooling	Side to Side Cooling System with Removable Fan Tray
Environment	Temperature 0 to 40°C (32 to 104°F); Humidity: 10% to 90% non-condensing; Altitude 3048m (10,000ft)
Status Indicators	Power Supply and Module Active/Failed Status LED, Port Link (NPM, CPM)
Chassis Regulatory Compliance	RoHS; UL 60950, IEC 60950, FCC 47 CFR Part 15B Class A, EN 55022 : EN 55024, VCCI V-3 : AS/NZS CISPR22; CSA C22.2#60950
Green IT Compliancy	WEEE Directive, ISO 14001, RoHS Compliant
Redundancy	Power and Application Redundancy & Dual Box High Availability with other X20/X30/X50 Chassis

## SYSTEM SPECIFICATIONS:

SYSTEM	X20	X30	X50
Network Interfaces	10 x 1G SFP	10 x 1G SFP & 2 x 10G XFP	16 x 1G SFP/10G SFP+
Management Interfaces	Command Line Interface, (SSH, Telnet, Console); Greenlight Element Manager EMS (HTTPS); SNMP v1,2,3 support; Standard Syslog		
XOS (X-Series Operating System) Compatibility	XOS 9.5 or higher	XOS 9.5 or higher	XOS 9.6 or higher
Advanced Routing	Optional Upgrade Pack: Includes PIM Sparse Mode, OSPFv2, RIP-II, and BPG-4, IPv6 support and IPv6 to IPv4 tunneling support. Licensed per X-Series Chassis.		
Module Capacity	(1) one additional APM-2030 can be added	(1) one additional APM-2030 can be added	(1) one additional APM-50 can be added
NPM Blade Compatibility	Pre-Configured with (1) one NPM-20	Pre-Configured with (1) one NPM-30	Pre-Configured with (1) one NPM-50
APM Blade Compatibility	Pre-Configured with (1) one APM-2030	Pre-Configured with (1) one APM-2030	Pre-Configured with (1) one APM-50
CPM Blade Compatibility	Pre-Configured with (1) one CPM-9600	Pre-Configured with (1) one CPM-9600	Pre-Configured with (1) one CPM-9600

## PERFORMANCE SPECIFICATIONS:

Performance	X20	X30	X50
Application Processing	5Gbps	10Gbps	18Gbps
Maximum Connections	8 Million	8 Million	18 Million
Connection Setup Rate	65,000 CPS	115,000 CPS	115,000 CPS

Preliminary Subject to change without notice.

## ABOUT CROSSBEAM

We improve the sophisticated networks of enterprises, government agencies, and service providers by architecting platforms that are more adaptable, high-performing, reliable, and secure.