

CROSSBEAM X-SERIES

BENEFITS:

- Utilize best-in-class applications to fit your business and maximize security
- Adapt security performance and scaling to fit your business
- Lower total cost of ownership with dramatic network consolidation and energy consolidation
- Extend hardware capital depreciation cycles to 5+ years
- Decrease downtime with self-healing platform

HIT THE RESET BUTTON

Most network security suppliers push pre-packaged platforms. At Crossbeam, we take a different approach. We know every company is different - and that means your security should be, too.

That's why we created the X-Series - An open adaptable platform.

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 allows enterprises and service providers to consolidate network infrastructure (switches, load balancers, patch cabling and power cords) and appliances supporting security applications. It dramatically simplifies deployment and on-going management. The net effect is that you can consolidate 50:1 devices in the network. That means fewer devices to manage, a smaller footprint in the data center and of course a lower cost of ownership.

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

All working together to create our open adaptable platform built from the ground up with no single point of failure.

The most powerful innovation however 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.

500 man-years of effort later, XOS is in use by some of the largest banks, service providers, mobile operators, schools and governments around the world. What makes XOS so special is the ability to consolidate multiple best-of-breed applications on to a single chassis. 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 to downtime.

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

To learn more about our adaptable platform, read our "Inside the X-Series" white paper, downloadable from www.crossbeam.com.

SYSTEM SPECIFICATIONS:

	X45	X80
PHYSICAL	Dimensions (H x W x D): 13.5 x 17.5 x 19 in (34.3 x 44.4 x 48.2 cm) Front rack mountable, standard 19" racks; Weight: 39 lb. (17.7 kg)	Dimensions (H x W x D): 30 x 17.5 x 17.5 in (76.2 x 44.4 x 44.4 cm) Front and mid-rack mountable, standard 19" racks; Weight: 100 lb. (45.5 kg), 212 lb. (96.4 kg) fully loaded
POWER	1-2 PS, 1,200W or 2,700W 120-240 VAC, 2,400W rated maximum 200-240 VAC, 2,700W rated maximum	1-4 PS, 1,200W or 2,700W 120-240 VAC, 3,600W rated maximum 200-240 VAC, 5,000W rated maximum X80-DC: -48 volt DC, 100A
ENVIRONMENT	Temperature: 0°- 40° C (32°- 104°F); Humidity: 10%-90% non-condensing; Altitude: 3048 m (10,000 ft.)	
MODULE SUPPORT	Up to 2 NPM, up to 5 APM, up to 2 CPM Supports up to 7 modules total	Up to 4 NPM, up to 10 APM, up to 2 CPM Supports up to 14 modules total
MANAGEMENT	Command Line Interface(SSH,telnet,console), Greenlight Element Manager(GEM) EMS(https),SNMP V1,2,3 support, Standard Syslog	
CERTIFICATIONS	Common Criteria EAL4 with Check Point Software Technologies VPN-1 R65	
STATUS INDICATORS	Power Supply and Module Active/Failed Status LED, Port link(NPM,CPM), Minor/Major/Critical Alarm LEDs	
REGULATORY COMPLIANCE FOR CHASSIS	RoHS; UL 60950, IEC 950,FCC 47 CFR Part 15 Class A, EN 55022 : EN 55024, VCCI V-3 : AS/NZS 3548 :1995 : CNS 13438 Class A	
GREEN IT COMPLIANCY	High efficiency power system up to 91 percent, Member of The Green Grid; WEEE Directive, ISO 14001, RoHS	

BLADE SPECIFICATIONS:

	APM-8650	NPM-8620/8650	CPM-8600
ENVIRONMENT	Temperature: 0°-40° C (32°-104°F) with Single Xeon APMs; 0°-35° C (32°-104°F) with Dual/Quad Xeon APMs; Humidity: 10%-90% non-condensing; Altitude: 3048 m (10,000 ft.)		
INTERFACES	1 x DB9	NPM-8600/8650: 2 x 10 Gigabit XFP (SR/LR) 10 x 1 Gigabit SFP (SX/LX/Copper) NPM-8620: 10 X 1 Gigabit SFP (SX/LX/Copper)	1 x RJ45 10/100/1000 copper RJ45 2 x 1 Gigabit SFP (SX/LX/Copper) 2 x DB9, 1 x USB 2.0
OPTIONS	APM-8650: Optional 1 or 2 120 GB SATA drives (RAID 0 or 1, or Non-RAID) CPM-8600: 1 250GB SATA drive, optional second drive (RAID 1) XOS-ARM: Advanced Routing SW Module with support for RIPv2, OSPFv2, BGPv4 and PIM-S		
PROCESSOR	APM-8650: 1 or 2 Quad Core Intel Xeon processors	Combination of NPU and RISC processors	1 Dual Core Intel Xeon processor
MEMORY	APM-8650: 4GB or 8GB STD up to 16GB supported	NPM-8650: 2GB STD, up to 4GB supported	1GB STD
REGULATORY COMPLIANCE FOR BLADES	RoHS; UL 60950, IEC 950,FCC 47 CFR Part 15 Class A, EN 55022 : EN 55024, VCCI V-3 Class A : AS/NZS 3548 :1995 : CNS 13438 Class A : CISPRZZ Class A, EN-6100-4,-3-2,-3-3		

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.