



## THE APPLICATION STAMPEDE IS HIJACKING YOUR NETWORK

Today's visitor network operators are facing unprecedented demand on bandwidth. Balancing the guest experience with the blitz of streaming videos, mobile devices and peer-to-peer collaboration is overwhelming traditional visitor network solutions.

### ALLOC8

Alloc8 – X Series Deep Packet Inspection (DPI) technology combines real-time monitoring, analytics, reports and an intelligent recommendation engine to give network operators the ability to pinpoint the source of congestion and delays to manage demand, not just capacity. It's no secret that the higher volume of traffic increases communications and network-operating costs. The need to balance your visitor network capacity between recreational users and business use causes network managers to often resort to adding bandwidth, accelerating network traffic or cutting off access to applications. These approaches are short term in nature, not cost effective and contribute to network congestion.

The Alloc8 takes the guesswork out of managing traffic demand. Combining Nomadix's expertise in bandwidth management with Exinda's network optimization technology, the Alloc8 – X Series provides network managers and operators a solution for prioritizing critical applications and highly throughput-sensitive applications over others in real time. This allows them to manage their visitor networks' precious bandwidth resources while giving priority to business customer needs.

#### WHAT IS THE PROBLEM? WHO'S CAUSING IT?

The first step to solving congestion problems is determining the cause. With the Alloc8 – X Series, network managers get insight into which applications are operating on the network, how applications are performing and the amount of bandwidth being consumed by guests, devices, applications and locations across the network. Once understood, policies can be implemented to limit or prevent bandwidth allocation. Plus, administrators can prioritize how and when individual users, groups, applications and websites consume bandwidth on the network.

#### WHAT'S GOING ON IN YOUR NETWORK?

Once network managers know the cause of network congestion, the Alloc8 – X Series provides a suite of analytical tools that allows them to implement solutions for their network demand challenges. It provides clear, easy-to-read interactive analytics, purpose-built reports, a recommendation engine and policy-based, traffic-shaping technology tools. This combination of information and tools enables network managers to assess patterns and trends within the network so that potential congestion problems can be addressed before they occur. The Alloc8 – X Series also makes suggestions for policy changes, which enables network teams to diagnose and resolve problems faster — thus improving network performance and guest users' Internet experiences.

#### GAIN BACK CONTROL OVER YOUR NETWORK!

Visitor network operators rely heavily upon their networks to drive day-to-day operations while also providing the best guest experience possible. With the Alloc8 – X Series, network managers can determine how much bandwidth is being consumed by Internet use, streaming video and peer-to-peer traffic. If you're not careful and don't control the applications using your network, the user experience can degrade and service cost can increase. That's why we offer a solution that enables you to identify problem users and apply granular policies to control who, and what, can use valuable bandwidth on your network, improving the user experience and saving money in the process.





## THE APPLICATION STAMPEDE – FINALLY TAMED!

### ALLO8 - X SERIES MODELS AVAILABLE

The X4000 model supports from 100 Mb of data throughput up to 1 Gb of data throughput, in 100 Mb increments — which is suitable for small and medium locations. The X8000 model supports from 1 Gb of data up to 5 Gb of data, in 500 Mb increments, which is suited for larger hotels and convention centers. Custom quotes for X10000 models are also available for properties in need of a solution that supports more than 5 Gb of shaping throughput. Contact Nomadix to review your specific requirements today. When determining the number of users per device, the simple equation of number of simultaneous users divided by max throughput should be no less than 500 kb. For example, a 1 Gb device with 2000 simultaneous users would push the limits. It is important to note that the amount of simultaneous users can be hard to predict.

Network Diagnostics	X4000	X8000	X10000
<b>Max APS Objects</b>	250	300	300
<b>Max SLA Objects</b>	250	300	300
<b>Max PDF Reports</b>	60	100	100
<b>Max Concurrent Flows</b>	500,000	500,000	1,200,000
<b>Max Throughput</b>	1 Gbps	5 Gbps	10 Gbps
<b>Max Connection Rate / Second</b>	10,000	20,000	32,000
<b>Traffic Shaping</b>			
<b>Max Shaping Throughput</b>	1 Gbps	5 Gbps	10 Gbps
<b>Max Concurrent Flows</b>	500,000	220,000	1,200,000
<b>Max Connection Rate / Second</b>	10,000	10,000	32,000
<b>Max Traffic Policies</b>	1,024	2,048	4,096
<b>Traffic Acceleration</b>			
<b>Max Edge Cache Throughput</b>	300 Mbps	175 Mbps	250 Mbps
<b>Mac Acceleration Throughput</b>	30 Mbps	150 Mbps	500 Mbps
<b>Max Accelerated Connections</b>	6,000	25,000	32,000
<b>NIC Slots</b>	1 built-in 3 bypass enabled bridge pairs GigE, 1 additional slot	2: 1 full-height & 1 half-height slots	5: 2 full-height & 3 half-height slots
<b>Available NICs</b>	2 bridge GigE copper, 1 bridge GigE fiber (LC connector)	Copper: 4 x 1G bypass bridge pair 2 x 10G bypass bridge pair Fiber: 3 x 1G bypass bridge pair 2 x 10G bypass bridge pair	Copper: 10 x 1G bypass bridge pair, 4 x 10G bypass bridge pair Fiber: 6 x 1G bypass bridge pair, 4 x 10G bypass bridge pair
<b>Management Ports</b>	RJ-45 Serial Console and dedicated management GigE NIC	DB15 Serial Console and dedicated management and cluster GigE NIC	DB15 Serial Console and dedicated management and cluster GigE NIC
<b>IPMI</b>	Present – shared NIC with dedicated management NIC	Present – shared with dedicated management NIC	Present – shared with dedicated management NIC
<b>Form Factor</b>	1U rack mount with included sliding rails	2U rack mount with included sliding rails	2U rack mount with included sliding rails
<b>Dimensions (H x W x D)</b>	44 mm x 436 mm x 300 mm, 1.72" x 16.81" x 11.81"	86.8 mm x 434 mm x 684 mm, 3.42" x 17.09" x 26.93"	86.8 mm x 434 mm x 813 mm, 3.42" x 17.09" x 32"
<b>Power</b>	Internal – auto ranging	Dual redundant internal – auto ranging and field replaceable	Dual redundant internal – auto ranging and field replaceable, 1100W
<b>Power Consumption</b>	17W @ 0.13A (idle), 22W @ 0.16A (max)	370W @ 2.8A (under load)	370W @ 2.8A (under load)
<b>Weight</b>	5.0 kg, 11 lbs.	28.2 kg, 62.04 lbs.	29.5 kg, 64.9 lbs.
<b>Environment</b>	0°C to 40°C operating temperature, 5%-90% operating humidity	10°C to 35°C operating temperature, 10%-80% operating humidity	10°C to 35°C operating temperature, 10%-80% operating humidity