

## ULTRA-HIGH EFFICIENT INTERNET DATA STREAM OPTIMIZER BOOSTS BANDWIDTH PERFORMANCE



### **NOMADIX INTERNET TRAFFIC OPTIMIZER (NITO)**

The Nomadix Internet Traffic Optimizer (NITO) is a powerful and cost-effective appliance designed to give you more from your existing bandwidth. By enabling IT managers to access and review traffic patterns and content usage, the NITO offers visibility and insight for intelligent bandwidth management and allocation. Plus, NITO's web content filtering and network security protect your network and users.

Offering high speed and minimal latency, this appliance keeps pace with your networking infrastructure to ensure optimum performance. Realize an increased cost savings through maximized use of existing bandwidth, and service more users with higher network traffic demands.



#### **GET MORE FROM EXISTING BANDWIDTH**

The NITO enables IT managers to use existing bandwidth more efficiently by tracking traffic usage. With deep packet inspection capabilities and advanced networking techniques, NITO identifies the type of traffic and will then maximize/prioritize traffic as needed. NITO also provides extensive reports with the ability to drill down on data and analysis patterns, IP address usage, most visited domains, search terms, and more. With data insights at hand, bandwidth can be optimally managed to ensure fair access, and traffic can be throttled or blocked accordingly. For businesses with loyalty programs and tiered affinity guest programs, bandwidth can be managed to support these programs to offer high bandwidth access to premium users.

#### **MANAGE SECURITY, FILTERING AND PROTECTION**

The NITO offers you the ability to manage and reduce unwanted traffic taking up user bandwidth, which is particularly important in content sensitive environments such as public places and education. Not only can certain data be deemed inappropriate, but it also adds a burden on the networking infrastructure, slowing performance and preventing the availability of bandwidth for smooth operation. The NITO is equipped with a wide range of security and web content filtering features that empower the IT manager to shield users from content that is categorized as undesirable.





## HIGH SPEED, HIGH THROUGHPUT

The NITO platform is built upon the Intel® high-performance Core™ i7 processor, which delivers fast, intelligent, multi-core technology ensuring data packet processing that keeps pace with data delivery needs. Working transparently in the background, NITO operates with minimal latency when inspecting and filtering unwanted packets and does not disrupt traffic flow.

## LEVERAGE INTERNET ACCESS

Combined with the Nomadix Access Gateway, NITO ensures fair and fast bandwidth visibility and optimization for public access. While the Access Gateway provides the on-ramp to service visitors, guests and customers, the NITO boosts the available bandwidth enabling organizations to fully service users with multiple WiFi devices seeking Internet access. The optimized bandwidth leads to an improved Internet experience for the user and heightened satisfaction, ensuring more return customers and improving business results.

MODEL	NITO SPECIFICATIONS		
<b>Perimeter Firewall</b>	Intrusion Detection System Intrusion Prevention System	NAT Stateful Packet Filter	Peer-to-Peer Blocking DMCA Compliance Egress and Ingress Filtering
<b>Connection Management</b>	Load Balancing Asymmetric Load Balancing Profiles	Failover to Secondary Connection	Throttle web traffic by type
<b>Logging and Reporting</b>	Comprehensive access logging Export to common formats (Excel, CSV, PDF)	Bandwidth utilization reports Report scheduling	Real-time reporting Web traffic by category
<b>IP Address Management</b>	IEEE 802.3/3u/3ab IEEE802.1Q DHCP Server	DHCP Relay Multiple Subnet Support IP Upsell	DHCP Client PPPoE Client
<b>Network Management</b>	Web Management Interface Command Line Interface (CLI) Integrated VPN Client for Management	Multi-level Admin Support Central Monitoring	SNMP Syslog
<b>Media Access Control</b>	CSMA/CA		
<b>Ports</b>	6 – 10/100/1000 Base –T Ethernet, RJ-45 (UTP): LAN	Front Access RJ-45 for System Console	
<b>Power</b>	100 to 240 VAC	50/60 Hz	220 watt
<b>Environment</b>	Operating temp: 0~40c Operating humidity: 20~90% RH	Storage: -10~70c Storage humidity: 5~95% RH	
<b>Regulatory</b>	FCC ClassA UL,UL (US and Canada) CE		
<b>Physical</b>	1 U rack mountable 438mm wide x 292.0mm deep x 44 mm high	17.24" x 11.53" x 1.73" Weight: 8.8 lbs	Weight: 4 Kg
<b>LEDs</b>	Power Indicator	10/100/1000 ACT/LINK for each Ethernet Port	