

Features	Functions	Benefits
Server Load Balancing	Layer 4 - 7 load balancing	Operating at the application protocol level increases functionality, delivering features such as URL switching, cookie based persistence and request scanning.
	Slow-start server re-introduction	
	Customisable server too busy page	This content-aware load balancing strategy enables application performance optimisation and resilience across the application layer.
	Automated per-channel fast failover	
	High availability deployment	
Load Balancing Methods	Round robin	Traffic is distributed across client's server pool via multiple load balancing strategies for maximum flexibility in deployment.
	Least number connections	
	IP sticky	Persistent load balancing methods for session based applications including ecommerce.
	Cookie sticky	
	Application cookie sticky	
Content Caching	GUI based cache control rule base	jetNEXUS ALB-X cache stores common responses to web requests on behalf of the web server. Content caching thereby reduces server load and bandwidth consumption and accelerates applications. The jetNEXUS ALB-X also features persistent caching, to restore memory even after a power failure.
	Multiple caching profiles	
	Configurable expiry	
	Cache hit reporting	
	Persistent cache	The ALB-X caching feature is easy to configure with multiple caching profiles.
Server Health Checking	Ping server health check	To detect and route around problem servers – from simple ping and TCP tests to full web GETs.
	TCP connect server health check	
	Simple HTTP server health check	Automatic failover to enable clients to deliver a seamless and fully fault-tolerant service delivery platform.
	Full HTTP server health check	
flightPATH	Block unwanted IP's	flightPATH is a rule engine developed by jetNEXUS to intelligently manipulate and route HTTP and HTTPS traffic in order to create bespoke management rules. flightPATH service is highly configurable, very powerful and yet easy to use.
	Segment users based on user ID or cookie	
	Fix broken URL's	
	Rewrite user requests on the fly	Applying validation and security rules with flightPATH ensures PCI Compliance.
	Apply security rules	

SSL Offload	High performance SSL offload	<p>SSL Offload removes the overhead of CPU intensive encryption from the web servers to minimise the performance impact on the server pool.</p> <p>This optimizes server performance and enhances the end user experience.</p>
	Native SSL decryption	
	Over 3,000 tps	
	Simple certificate import	
	Auto generation of certificate requests	
	Ability to create self signed cert	
Management	Active-Active failover configuration	<p>Secure web based user interface for easy management and flexible configuration and changes.</p> <p>Drag and drop functionality and SOAP API for automated integration with IP environments.</p> <p>Simple, fast deployment with jetNEXUS Discovery Tool for automatic detection.</p>
	Connection proxy capability	
	Secure web based interface	
	SNMP (V1,2 &3)	
	Online configuration file back up	
	Software updatable via GUI	
	Command line interface CLI	
	Email alerting and real time stats	
	DNS resolution	
	Dedicated management interface	
	Optional client IP x forwarding	
	W3C web transaction logging & file offload	
	SOAP API	
Content Acceleration	Dynamic HTTP compression	<p>Compressing content before it is sent to clients helps to reduce the burden on the networking infrastructure.</p> <p>Rule based compression improves performance and delivers bandwidth savings.</p>
	Content exclusions – by rule	
	Configurable compression	
	Personal firewall compression	
	Browser rule base compression	
	Point to point compression-decompression	
	Streaming compression	

Connection Management	Connection management	Optimises the performance of TCP/IP and manages stress on web servers. Key to high performance load balancing.
	Connection pooling	
	Connection capping/limiting	
Simple Deployment	jetNEXUS Discovery	Discovery is used to scan the network and list all jetNEXUS ALB-X devices. Discovery makes the basic configuration and access, including the allocation of a management IP and default gateway easy, simple and straightforward.
Compatibility	RoHS compliant	
	PCI DSS compliant	
	ISO 9001 registered firm	
	FCC approved	