



Satellite Communications Optimizer

Netbox Blue offers satellite communication users a revolutionary solution that delivers optimized communication capabilities, transparency, controls and cost savings.

The Netbox Blue solution puts users in total control of their satellite communication links and prevents unwanted or inappropriate use of the link, preserving bandwidth for priority applications and controlling costs.















Netbox Blue also offers its unique PipePlus® link aggregation and failover technology to ensure satellite users seamlessly failover to the least expensive communication link available without any user intervention. This can integrate with 3G, V-SAT, Inmarsat and any other available internet link. This technology can integrate up to 16 separate internet links enabling multiple 3G cards to be used when in range for inexpensive high speed internet access.



Netbox Blue's Satellite Communications Optimizer can be used on the world's largest vessels when at sea, or on remote rural properties using low grade satellite links.

Netbox Blue's Satellite Communications Optimizer (SCO) is being used by marine and land based users across the world. It is the first technology to integrate advanced spam filtering technologies (that block spam before it uses the satellite bandwidth) with link failover technologies, a full security, reporting and policy enforcement engine that delivers the most advanced and effective solution for satellite users.

The Satellite Communications Optimizer offers many advanced features:

	<i>Advanced spam filtering</i>	Prevent spam from being downloaded over the satellite link through pre-delivery filtering technology.
	<i>Web filtering</i>	Control access to particular sites or categories of sites. This can be set up with different rules for different days, or users, giving total flexibility.
	<i>Data quota manager</i>	Set limits on upload or download use by group of users. Limits can also be set by period of time and this can link with billing engines.
	<i>Data compression</i>	For users with multiple satellite sites the Netbox technology offers data compression between sites to enhance bandwidth usage and to save costs.
	<i>Web acceleration</i>	Web and DNS caching technology deliver maximum performance for web access with minimal bandwidth utilization.
	<i>Application accelerator</i>	The SCO technology includes application prioritization tools to enable appropriate bandwidth to be allocated to critical services – e.g. voice.
	<i>PipePlus® - least cost link usage</i>	Seamless and transparent migration to the least cost link (Inmarsat, V-SAT, 3G, etc.) with unique policy management by link and support for load balancing.
	<i>Web 2.0 Application Manager</i>	Full control over Web 2.0 applications such as BitTorrent, Instant Messaging, webmail, gaming, etc. Enables visibility of use and policy management to prevent, limit or control use of these applications.
	<i>Email manager</i>	Control the size of files attached to emails (sent or received) as well as full control over data leakage, inappropriate language use and harassment.
	<i>SafeChat™</i>	Content filtering technologies for Instant Messaging, webmail and social networking sites. Allows control over language use, data leakage and harassment.
	<i>Reporting</i>	Full visibility and alarm settings for all use of the internet links with historic and real time views. Full drill down capabilities as well as customizable reports that can be generated as often as required.
	<i>Firewall</i>	Total security firewall for the ultimate security of data and privacy.
	<i>Advanced threat management</i>	Full anti virus capabilities on all traffic (email, HTTP and file transfers) together with prevention of Denial of Service attacks and also internal zombie or spambot attacks.
	<i>Email hosting</i>	The Netbox solution can also be used to host email, preventing the need for complex email server solutions.

The Netbox Blue Satellite Communications Optimizer can also be used in conjunction with Expand Networks TCP acceleration, post acceleration packet aggregation and Wide Area File Service (WAFS) technologies.

The solutions are delivered in a range of deployment options. The technology is available on the Netbox mini appliance for lower end users and on IBM hardware platforms for larger users (greater than 30 connections typically) or for customers requiring highly resilient hardware platforms with global support from IBM.

The solutions are also delivered by some satellite communication providers as a managed service as part of the satellite delivery service, requiring no on-site hardware for lower end users. Customers can also run the technology as a software application running virtually in a VMware environment.

Netbox Blue is able to offer advice on the most appropriate deployment method for each customer's unique requirements.



The Satellite Communications Optimizer typically offers a return on investment in months, if not weeks. In addition to the benefits already mentioned the technology offers many further benefits to users including:

- Ease of implementation and management
- Single interface to control all internet and WAN traffic
- Total visibility over all communications
- Cost savings on all internet services
- Maximizing use of current internet and WAN services
- Unique technologies available as part of the solution



OIL AND GAS OPERATOR CHOOSES NETBOX BLUE TO HELP MANAGE INTERNET CONTENT ACROSS SATELLITE BANDWIDTH

As an Oil and Gas off-shore operator with boats rarely in dock, we needed a technology solution that matched our needs and one that was also highly robust and proven that we could rely on.

Applied Satellite Technology Australia Pty Ltd (ASTA)'s recommendation of the Netbox Blue solution met these criteria and delivered way beyond expectations. The technology is built on world leading hardware from IBM that is supported globally and gives us the confidence that wherever we are we can get support. We use the tools within the Netbox to manage and control the satellite bandwidth usage on board our ships easily and effectively. We do this by firstly blocking spam at the pre-delivery level, before it is downloaded by satellite to the ships. We also conserve bandwidth by controlling internet usage on board easily and transparently.

This has led to a 40% saving in satellite bandwidth usage on our ships and without the need to upgrade our links, saving thousands of dollars! We have also used the reporting capabilities of the Netbox to easily monitor and review bandwidth usage and to manage any issues that are inappropriate or cost prohibitive.

The other advantage of the solution is that it has allowed critical applications and communications to operate effectively, without bandwidth contention issues from less critical activities.

The Netbox Blue solution is one we would highly recommend to anyone else using satellite communications. We have been delighted by the ease of use and financial benefits it has delivered.

We can highly recommend this innovative solution from ASTA www.asta.net.au

Neville Mathers, Operations Manager Australasia, Geokinetics Inc.

About Netbox Blue

Netbox Blue is a leading provider of internet and email security, filtering and management solutions. Netbox Blue provides organizations with the tools to protect their network from internal and external threats, control all forms of communications, prevent data leakage and ensure staff use the internet productively and appropriately. The company offers a broad portfolio of products and services including Unified Threat Management appliances, email filtering appliances, satellite communications optimization solutions, soft appliances (for virtual environments) and OEM-ready technologies. The company was established in 1999, is privately held and is based in Australia. Netbox Blue has a presence in 18 countries and has partnerships and distribution agreements with some of the world's largest IT providers, including Canon in Japan.

netboxblue.com

