

AT&T Global Security Gateway Select

Unified protection against web-based threats for on-site and mobile users



Surfing the web without a perimeter

The internet has become a vital tool in how workers access information and perform their job duties. Whether it be conducting research, placing orders, or marketing through social media, access to the web is indispensable. And while the internet is packed full of useful information and utility, it is also the platform for transmitting countless types of malware including viruses, worms, keyloggers, and ransomware.

Traditionally, organizations have addressed this risk by installing perimeter security devices such as firewalls at their data centers. But with applications moving to the cloud, the trend towards telecommuting, and bring your own device policies, fewer employees are connecting to VPN, thus bypassing those controls. Without guardrails, the possibility of a security incident becomes more likely as employees freely surf the net, click links, and download files without corporate visibility or policy enforcement.

The future of web security is in the cloud

For consistent protection across users, businesses should consider deploying a cloud-native secure web gateway solution like AT&T Global Security Gateway Select. This approach allows organizations to phase out physical appliances, helping to reduce cost and simplify management. It also enables them to connect branch offices directly to the internet to increase network performance as users access the web or cloud-based applications.

Potential benefits:

- Provides visibility into internet and web traffic for virtually all users, devices, and locations
- Helps protect users against viruses, ransomware, and other types of malware
- Enforces acceptable-use policies by restricting what sites users can visit
- Identifies devices that have been infected by malware or are acting as part of a botnet
- Blocks malware from unknown or zero-day threats using sandboxing technology*
- Performs SSL inspection of web traffic, removing the burden of decryption from firewalls*
- Integrates advanced capabilities, including CASB and DLP into one centralized user interface*
- Reduces capital expenditures in favor of a more predictable operational expense model with 24x7 AT&T managed services

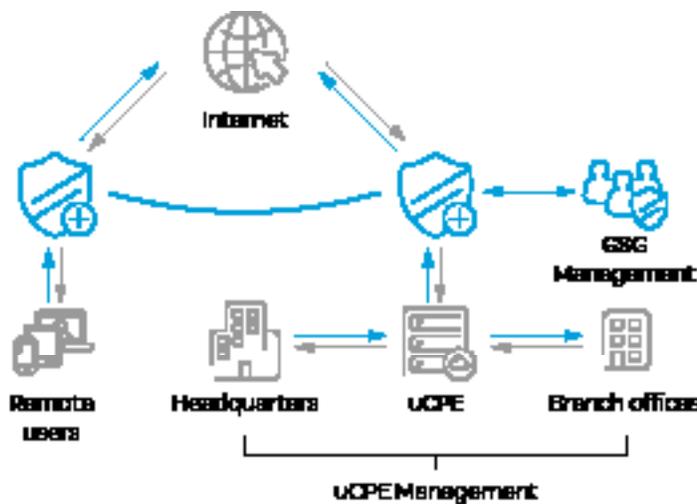
* Available options

Consistent and unified protection for virtually every user, device, and location

AT&T Global Security Gateway Select is a managed solution from AT&T Business. It provides organizations with the ability to apply unified protection against web-based threats across users by restricting what sites they can access. Extending far beyond simple URL filters, it utilizes dozens of threat intelligence sources to protect users against the latest viruses, spyware, and other types of malware. Some editions also help protect against zero-day threats with sandboxing or data loss prevention (DLP) and cloud-access security broker (CASB) functionality in one converged platform.

In order to better protect the enterprise, it's crucial that all web traffic is analyzed for malware. This includes the majority of traffic now transmitted with SSL/TLS encryption. This has been a particular challenge to businesses in the past because of the extreme load that SSL inspection places on the firewall processor. AT&T Global Security Gateway Select decrypts web traffic in the cloud, with minimal impact to performance. This allows administrators to remove that burden from firewalls so their bandwidth can be dedicated to its primary function of protecting the perimeter against inbound threats.

How it works



1. Traffic forwarding

- Forward internet-bound traffic from corporate network to AT&T Global Security Gateway Select
- Endpoint software helps protect mobile and remote users by forwarding traffic to the service
- AT&T assists with configuration of uCPE or existing firewalls to forward traffic to AT&T Global Security Gateway enforcement nodes

2. Enforcement nodes

- AT&T Global Security Gateway Select uses a network of geographically distributed data centers in the cloud
- Full-featured, inline internet security gateways inspect all internet traffic bi-directionally for malware, and enforce security and compliance policies
- Policies are centrally managed in the cloud

Because of its scalable, cloud-based architecture, AT&T Global Security Gateway Select enables organizations to help transform their network to accommodate SaaS and cloud-based applications, and support a remote workforce. With this solution, administrators remain informed and have the ability to enforce consistent policy across users. In turn, employees are restricted to websites that are both safe and appropriate to the workplace.

About AT&T Cybersecurity

AT&T Cybersecurity helps to reduce the complexity and cost of fighting cybercrime. Together, the power of the AT&T network, our SaaS-based solutions with advanced technologies including virtualization and actionable threat intelligence from AT&T Alien Labs and the Open Threat Exchange™, and our relationship with more than 40 best-of-breed vendors, accelerate your response to cybersecurity threats. Our experienced consultants and SOC analysts help manage your network transformation to reduce cybersecurity risk and overcome the skills gap. Our mission is to be your trusted advisor on your journey to cybersecurity resiliency, making it safer for your business to innovate.