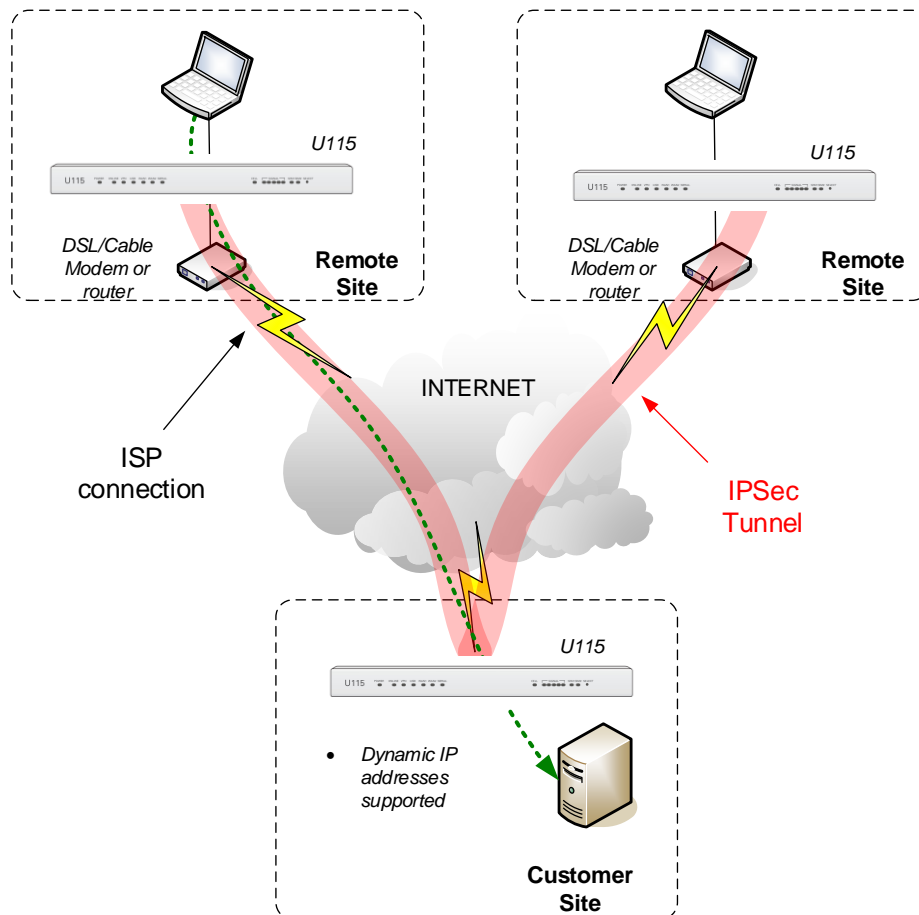


### Solution Overview:

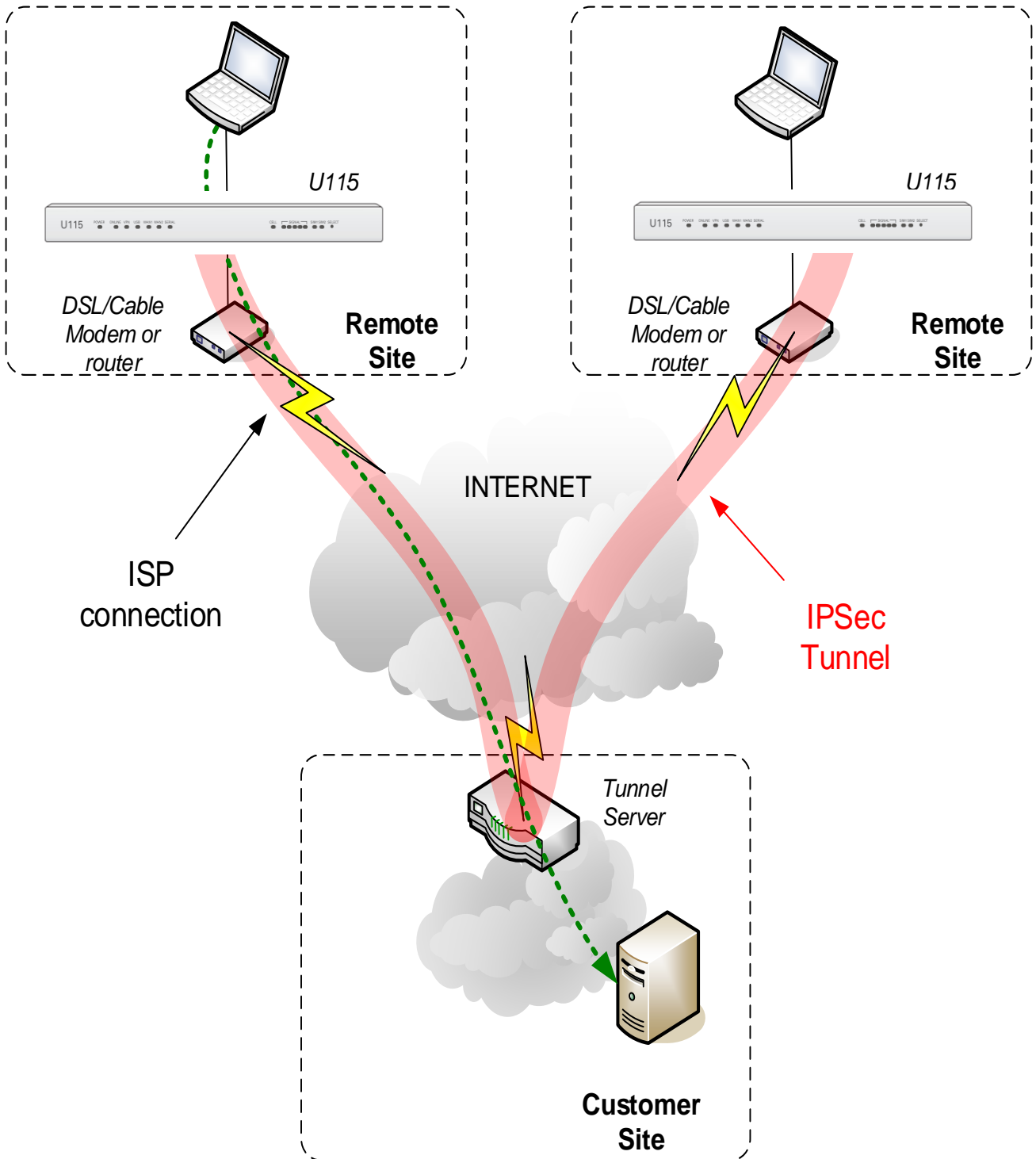
The AT&T VPN Gateway U115 (“U115”) operates as a centrally managed firewall, router, VPN device and VLAN switch on the secure local LAN side. As a fully managed security device, the U115 protects the customer’s premise from the Internet while providing secure access to the customer’s enterprise network through a secure IPSec VPN tunnel with the ability to support the highest level of encryption (256-bit AES). The U115 is powered by a dual core embedded processor providing 300-550 Mb/sec of IPSec throughput and 850-950 Mb/sec of unencrypted throughput. The operating system utilized by the AT&T U115 is an embedded version of Linux.

The U115 is the ninth-generation AT&T VPN Gateway that has been developed by AT&T and manufactured by Accelerated Concepts Inc., a Digi Company. New features, that are constantly being added by the development team, can be automatically pushed to devices in the field during a customer defined maintenance window. The fully managed U115 is supported by a team of world class professionals with the ability to be notified by the U115 proactively of problems occurring at the customer’s location. With SNMP support included, customers can monitor devices securely through their VPN tunnel, via their local LAN or over the Internet. The U115 provides a user-friendly Web interface accessible through the local LAN or securely across the Internet. This interface provides customers the ability to view diagnostic and configuration information. The VPN tunnels can also be viewed and controlled via the web interface.

### Typical Deployments



**Figure 1: U115 Inbound Tunnel Connectivity**



**Figure 2: AVTS Service Connectivity**

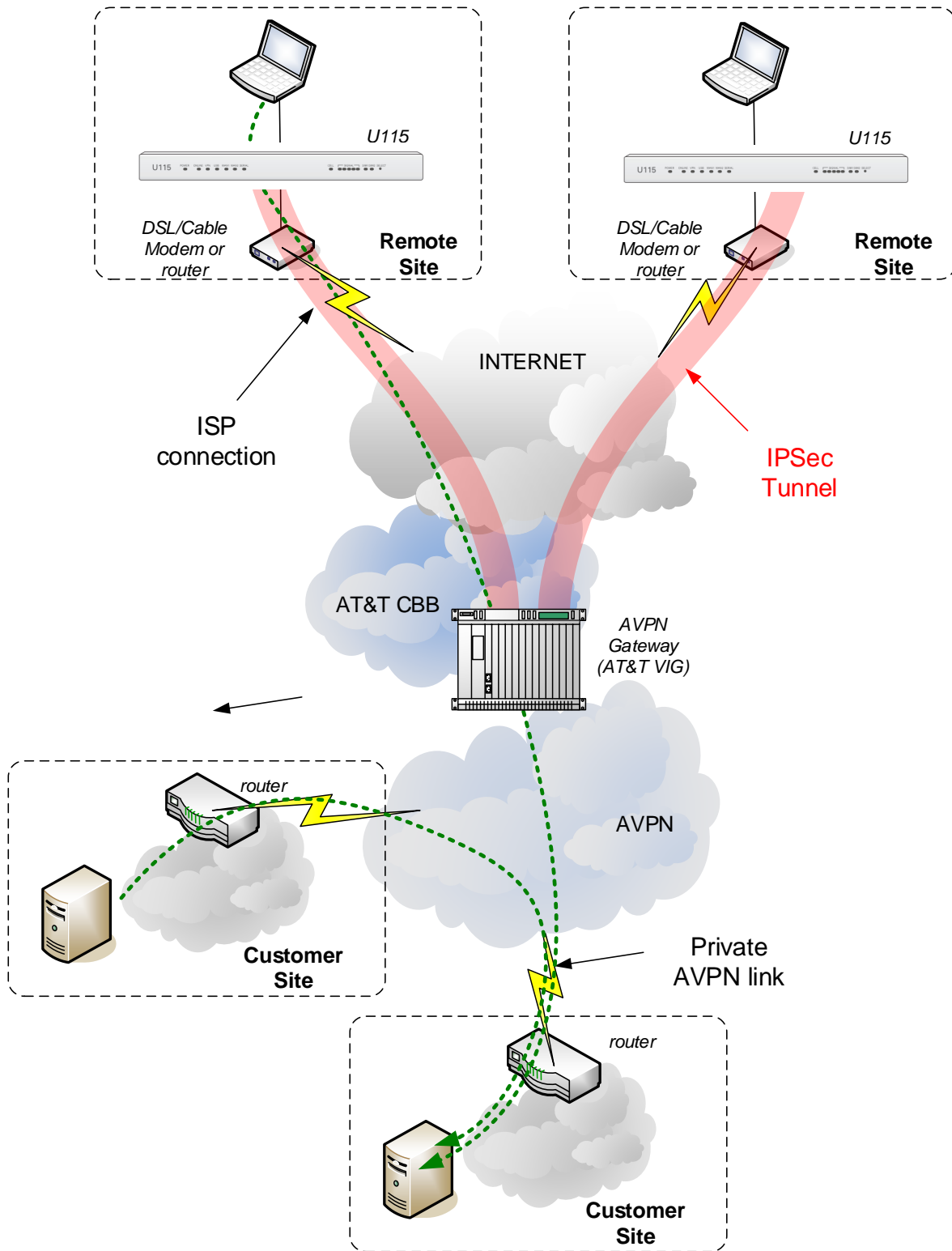



Figure 3: ANIRA Service Connectivity

<b>Technical Specifications:</b>	
<b>Throughput</b>	300-550 Mb/sec of IPSec throughput; 850-950 Mb/sec of unencrypted throughput
<b>IPsec VPN Compatibility</b>	<ul style="list-style-type: none"> <li>• AT&amp;T SIG (Remote Access)</li> <li>• AT&amp;T VIG (AVPN Gateway)</li> <li>• AT&amp;T U115 inbound tunnels</li> <li>• Cisco ASA</li> <li>• Tunnel servers for Blue Coat (Symantec), zScaler, Palo Alto</li> <li>• Central configuration of IPSec tunnel encryption/authentication methods including: DES, 3DES, AES 128/192/256, SHA-1, MD5, LZS</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>• Class of Service (Cos/Qos): the ability to mark each packet with DSCP markings, and shape the traffic inbound and outbound for each traffic class.</li> <li>• Automatic WAN bandwidth determination logic used for Cos. Cos also supports Static WAN bandwidth settings.</li> <li>• Centrally managed Stateful firewall</li> <li>• Port Address Translation NAT for Internet traffic</li> <li>• Multiple options for address translation when sending traffic through the VPN <ul style="list-style-type: none"> <li>○ No NAT: route natively (Internet or VPN)</li> <li>○ Source NAT: NAT entire subnets of addresses</li> <li>○ Source NAT plus PAT: NAT entire subnets of addresses with the rest of the subnet not NAT'd sent using a single PAT'd address</li> <li>○ 1 to 1 NAT: NAT single addresses through central configuration</li> </ul> </li> <li>• Port Forwarding on Internet and VPN interfaces</li> <li>• RIP routing available on the Local VLAN networks and used for communicating within the VPN tunnel to a SIG</li> <li>• VRRP on the Local VLAN interfaces</li> <li>• Multiple outbound tunnels (up to 6)</li> <li>• Support for inbound tunnels (up to 100)</li> <li>• Local and remote access to the Web interface for configuration, diagnostic information and VPN tunnel control</li> <li>• Admin password and SSL security available to secure Web interface access</li> <li>• AT&amp;T proprietary proactive monitoring alerts with active time of day windows</li> <li>• SNMP polling access using version 2, or 3 for basic MIB-II support</li> <li>• SNMP traps/informs using version 2 or 3</li> <li>• Fully integrated with ARMT portal for real-time monitoring, reporting and management.</li> </ul>
<b>VLAN Features</b>	<ul style="list-style-type: none"> <li>• Built in 8 port VLAN switch with the ability to support up to 24 VLANs internally or through 802.1Q trunking</li> <li>• Power over Ethernet (POE) supported on ports 7 and 8</li> <li>• VLAN and Cascaded Network classification allowed for Internet Only and VPN Only designations</li> <li>• Directed Broadcast to the VLAN interface supported through the VPN tunnel</li> <li>• Multicast through an AT&amp;T ANIRA IPsec tunnel</li> <li>• Centrally managed DHCP Server</li> <li>• DHCP Relay</li> <li>• Rogue MAC detection</li> <li>• 802.1x support</li> <li>• Native VLAN support</li> </ul>

<b>WAN Access Methods</b>	<ul style="list-style-type: none"> <li>• DHCP</li> <li>• PPPoE</li> <li>• Static IP</li> <li>• Cellular</li> </ul>
<b>Tunnel Options</b>	<ul style="list-style-type: none"> <li>• Maintenance</li> <li>• Persistent</li> <li>• Traffic initiated</li> <li>• User initiated</li> <li>• VRRP controlled</li> </ul>
<b>Upgrades</b>	<ul style="list-style-type: none"> <li>• Centrally managed automatic upgrades from AT&amp;T at no charge</li> <li>• Ability to control update days and times</li> <li>• Ability to lock a customer's device to a specific version of code</li> </ul>
<b>External Interfaces:</b>	
<b>Ethernet ports</b>	8 X IEEE 802.3-2008 GbE specifications VLAN switch capable LAN ports 2 X IEEE 802.3-2008 GbE specifications WAN ports
<b>Power over Ethernet</b>	2 X PoE GbE LAN ports IEEE 802.3af
<b>USB 2.0 ports</b>	2
<b>Cellular LEDs</b>	1 Cell Type; 5 Signal Strength; 2 SIM
<b>Internal Cellular Modem:</b>	(available only on SKU: ASB-U115-4ATT-OUS)
<b>3G/4G Cellular</b>	LTE single-mode with 3G fallback
<b>Cellular Certifications</b>	PTCRB, AT&T and Verizon
<b>4G Bands (MHz)</b> <b>3G Bands (MHz)</b>	B2 (1900), B4 (AWS-1700), B5 (850), B12/B13 (700) B2 (1900), B5 (850)
<b>Supported USB Devices:</b>	
<b>3G/4G Cellular</b>	Contact your AT&T Representative for a current list of supported cellular modems. AT&T employees can find the current list at: <a href="https://olympus.labs.att.com/attvpng/Education/att_vpn_gateway_supported_cellular_cards.pdf">https://olympus.labs.att.com/attvpng/Education/att_vpn_gateway_supported_cellular_cards.pdf</a>
<b>Environmental Operating Ranges:</b>	
<b>Operating Temp.</b>	0 – 40 deg C
<b>Relative Humidity</b>	0 – 95% non-condensing
<b>Storage Temperature</b>	-20 – 70 deg C
<b>Power:</b>	
<b>INPUT</b>	
<b>Line voltage range</b>	100-240V
<b>Current</b>	1.5A

<b>Frequency</b>	50-60 Hz
<b>OUTPUT</b>	
<b>Line voltage range</b>	19V DC +-5%
<b>Current</b>	2.63A
<b>Physical Specifications:</b>	
<b>Dimensions (LxWxH)</b>	12.7" x 5.3" x 1.25 inches / 32.3 x 13.5 x 3.8 cm
<b>Weight</b>	2.7 lbs / 1.23 kgs
<b>Regulatory and Standards Compliance:</b>	
<b>Electrical Safety</b>	CAN/CSA-C22.2 No. 60950-00 IEC60950-1:2005, 2nd Edition with the following group and national differences where applicable for AR, AT, AU, BE, BR, CA, CH, CN, DE, DK, FI, FR, GB, HU, IL, IN, IT, JP, KE, KR, MY, NL, NO, PL, SE, SG, SI, SK, and US
<b>Immunity</b>	EN55024:2010 (ITE immunity) IEC 61000-4-2 (ESD) IEC 61000-4-3 (RF EM field) IEC 61000-4-4 (EFT) IEC 61000-4-5 (Surge) IEC 61000-4-6 (Conducted) IEC 61000-4-11 (Dips/inter.)
<b>Emissions</b>	FCC Part 15, Subpart B, Class A; EN55022:2010 / AC:2011 (ITE emissions), Class A
<b>Marks</b>	CE; WEEE; RoHS; RCM; FCC; cTUVus
<b>Other Product Information:</b>	
<b>Manufacturer</b>	The Accelerated UTM Security Appliance is manufactured by Accelerated Concepts Inc. for AT&T and is marketed by AT&T as the AT&T U115.  Accelerated Concepts, Inc. 1120 E. Kennedy Blvd, Suite 227 Tampa FL 33602  
<b>Part Number</b>	U115
<b>SKUs</b>	ASB-U115-4ATT-OUS