

# Juniper Networks NetScreen-Remote Access 500 Series



The Juniper Networks NetScreen-Remote Access 500 series of SSL VPN appliances provide small to medium enterprises a secure, cost-effective way to deploy employee remote access to corporate networks. Because the NetScreen-Remote Access 500 uses Secure Sockets Layer (SSL) to provide encrypted transport, it enables instant access for users with just a Web browser. This eliminates the cost of installing, configuring, and maintaining client software for each user. As a result of this clientless architecture, small to medium enterprises can realize a significantly reduced total cost of ownership versus traditional client-based solutions. Because it uses SSL delivery, the NetScreen-Remote Access 500 also eliminates Network Address Translation (NAT) and firewall traversal issues found with traditional remote access products. NetScreen-Remote Access 500 leverages Juniper Networks' Network Connect access provisioning method which creates a secure virtual network layer connection between the remote user and the corporate LAN. Network Connect extends the broadest form of remote connectivity without requiring desktop software installations because it uses security protocols that are contained in standard Web browsers. Built on Juniper's market-leading Instant Virtual Extranet (IVE) platform, the Remote Access 500 series delivers enterprise-strength AAA (authentication, authorization, auditing), comprehensive endpoint defense, and a core security architecture that has been audited in depth by TruSecure and Cryptography Research and certified by ICSA labs.

## Lower Total Cost of Ownership

- Dependable technology tailored to the needs of small-mid-sized enterprises by the SSL VPN market leader – Juniper Networks
- Plug-n-play appliance that installs in minutes with minimal IT knowledge required
- No client software deployment or maintenance – users only need an internet connection to request access
- Simple end user and administrator interfaces facilitate quick and easy use
- Improved productivity for remote employees
- No network interoperability issues

## End-Point Security

- Complete, secure access to LAN resources, ensuring that the endpoint device, data in transit, and internal resources are secure
- Seamless integration with broad range of authentication methods and protocols
- Juniper's Endpoint Defense Initiative includes native functionality and client- and server-side APIs for effective enforcement and unified administration of best-of-breed endpoint security

## Low Total Cost of Ownership

Remote Access 500 deploys quickly and easily and does not require the costly deployment and maintenance of individual client software on each PC. The NetScreen-RA 500 brings small-mid-sized companies an appliance tailored to their specific needs, in an affordable plug-n-play form factor.

Feature	Benefit
Uses SSL, available in all standard Web browsers	Enables secure remote access from any browser
No installed client	No changes to existing network infrastructure Eliminates the cost and complexity associated with maintaining installed clients on user PCs Add new users or access to new applications with just a few clicks.
Leverages existing security infrastructure	Integrates with existing user directories Fully compatible with broad range of authentication methods and protocols
Interoperation with external networks – eliminating issues with network address translation (NAT) or firewall traversal	Improved user experience Reduced desktop support calls
Desktop mount option	Runs quietly on desktop if no server rack available
Individual models provide support for 10, 25 or 50 concurrent users	Offers customers the flexibility to purchase according to their capacity requirements and budgetary limitations

## End-to-End Security

The Remote Access 500 series provides complete end-to-end layered security including endpoint client, device, data and server layered security controls.

Feature	Benefit
Native Host Check	Client computers can be checked at the beginning and throughout the session to verify an acceptable security posture
Host Check API	Created in partnership with best-of-breed endpoint security vendors, enables enterprises to enforce an endpoint trust policy for managed PCs that have personal firewall, antivirus clients, or other installed security clients, and can quarantine non-compliant endpoints.
Host Check Server Integration API	Enables enterprises to deliver and update third party security agents from the Remote Access 500, which reduces public-facing infrastructure, enables consolidated reporting of security events, and enables policy-based remediation of non-compliant clients.
Hardened security appliance	Purpose-built hardware appliance and hardened security infrastructure with no general purpose services, system-level user accounts, or interactive shell
Security services employ kernel-level packet filtering and safe routing	Filters out unauthenticated connection attempts such as malformed packets or DOS attacks
Cache Cleaner	All proxy downloads and temp files installed at login are erased at logout, ensuring that no data is left behind
Support for strong authentication methods and protocols including Radius, LDAP, PKI, Active Directory, RSA/Secure ID	Enables enterprise-strength authentication via optional integration with directories, PKI, and leading multi-factor authentication systems. Allows administrators to establish dynamic authentication policies for each user session, based on user/device/network attributes and specific login conditions, including an optional pre-authentication assessment to examine the client's security state before the login page is presented
Auditing and logging	Full auditing and logging capabilities in a clear, easy-to-understand format

## Ease of Use

User-friendly Web-based interface and streamlined administration makes the NetScreen Remote Access 500 Series easy to use and administer.

Feature	Benefit
Streamlined administration process designed specifically for small/medium enterprises	Instant deployment and activation requires minimal IT knowledge
Dynamically provisioned user connectivity	At login, end users are immediately provisioned full connectivity as if running on the LAN, while important layered security functions run transparently
Simple, Web-based interfaces	Both the end user and administrator interfaces are simple and Web-based, facilitating quick and easy use

### Specifications

End User Client Platform Requirements  
Windows XP: Internet Explorer 6.0  
Windows 2000: Internet Explorer 5.5 and Internet Explorer 6.0

#### Simultaneous User Capacity Options

- RA-510 supports 10 simultaneous users
- RA-525 supports 25 simultaneous users
- RA-550 supports 50 simultaneous users

#### Technical Specifications

##### NetScreen-Chassis RA 500

- Dimensions: 17.25"W x 1.74"H x 9"D (43.8cmW x 4.41cmH x 22.86cmD)
- Weight: 10lb 4.53(kg) typical (unboxed)
- Material: 18 gauge (.048") aluminum

- Fans: 1 ball-bearing inlet fan, plus 1 CPU blower
- **Panel Display**
  - Front Panel Power Switch
  - Power LED
  - Access LED (drive access)
- **Ports**
  - Network
    - Two RJ-45 Ethernet
    - 10/100 full or half-duplex (auto-negotiation)
    - IEEE 802.3 compliant
  - Console
    - One 9-pin serial console port
  - **Power**
    - Input Voltage and Current 90-264 VAC Full

- **Range**
  - 4A (RMS) at 90 VAC
  - 2A (RMS) at 264 VAC
  - Input Frequency 47 - 63Hz
  - Efficiency 65% min, at full load
  - Output power 220w
  - Power Supply MTBF 100,000 hours at 25°C
- **Environmental**
  - Temperature Range Operating: 5C to 30C (41F to 86F)
  - Operating (short term): 0C to 50C (32F to 122F)
  - Non-Operating: -30C to 60C (-22F to 140F)
  - Relative Humidity Operating: 20% to 80% non-condensing

- Non-Operating: 5% to 95% non-condensing
- Altitude: to 3,000m (10,000ft)
- Shock Operating: 2G at 11ms
- Non-Operating: 30G at 11ms
- **Safety and Emissions Certification**
  - Safety: UL (UL 60950-1 First Edition: 2003) CUL (CAN/CSA-C22.2 No. 60950-1-03 First Edition) TUV GS (EN 60950-1: 2002) TUV CB (IEC 60950: 1999) AS/NZS CISPR 22: 2002, Class B
  - Emissions: CE Class B, VCCI Class B, FCC Class B



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