accelerationsystems

Remote Business Accelerator
Integrated Router Function

Remote Business Accelerator as Router

The Remote Business Accelerator does more than make the Internet run faster. It's a full-featured, enterprise-class router on industrial grade hardware.

Remote Business Accelerators (RBA) ship preconfigured to the specifications of the network at your location. An intuitive GUI makes further customization easy for administrators. In situations where it is not convenient to have your administrator make changes to the configuration, the Acceleration Systems support team can implement the reconfiguration for you remotely.

Before implementing a new configuration, the old configuration is saved. Up to 30 configurations are stored on the RBA as well as backed up in the Acceleration Systems' cloud. Administrators can roll back configurations whenever desired.

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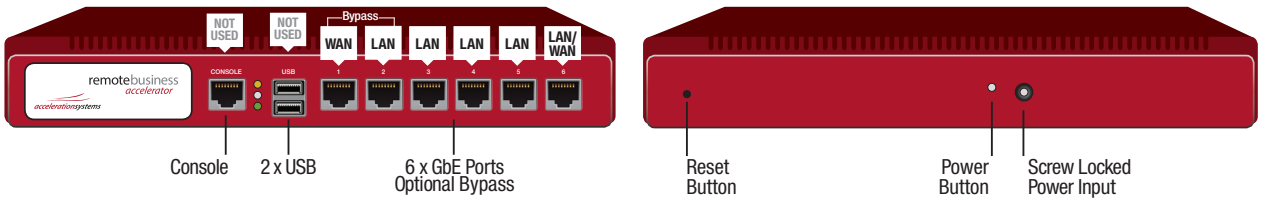

Partial feature list

1. Fully configurable WAN/LAN

Customize interface settings based on local requirements.

a. User configurable WAN interface (DHCP, Static IP, PPPoE, etc.)
b. User configurable LAN interfaces (DHCP, Static IPs, speed and duplexing)

2. Full-Featured Firewall

Our firewall feature enjoys a well-earned reputation as one of the highest quality and customizable firewalls in production. It has successfully replaced every big name commercial firewall (Check Point, Cisco PIX, Cisco ASA, Juniper, SonicWALL, NETGEAR, WatchGuard, Astaro, and more) in installations around the world.

a. Filtering by source and destination IP, IP protocol, source and destination port for TCP and UDP traffic
b. Option to log or not log traffic matching each rule
c. State Table keeps track of the state of network connections (such as TCP streams or UDP communication) and holds significant attributes of each connection in memory
d. Limitations on a per-rule basis (simultaneous client connections, states per host, new connections per second, state timeout, state type)
e. Optimized for "high-latency" links

3.Network Address Translation

NAT allows administrators to route external Public IPs to designated LAN IPs and vice versa giving them the capability to control traffic flow.

a. Port forwards including ranges and the use of multiple public IPs
b. 1:1 NAT for individual IPs or entire subnets
c. Default NAT settings allow all outbound traffic to translate to the WAN IP. In multiple WAN scenarios, administrators can define NAT settings for outbound traffic to the IP of their choice.
d. Advanced Outbound NAT allows default behavior to be disabled, allowing the creation of very flexible NAT (or no NAT) rules
e. NAT Reflection - NAT reflection is possible so services can be accessed by public IP from internal networks

4. High Availability*

High Availability (HA) has become a standard in mission critical environments. Multiple WAN connections provide redundancy in case an Internet connections fails.

a. Two RBAs in a VRRP style configuration (using CARP) with automatic removal from pool on health check fail
b. Hardware redundancy
c. State Table synchronization and preservation during failover
d. Dual WAN support with active/standby failover

5. Reporting and Monitoring

Extensive Cacti style graphing, traffic charts, reports and logs allow administrators to see and understand bandwidth utilization.

a. CPU/Memory utilization
b. Total throughput
c. Firewall states
d. Individual throughput for all interfaces
e. Packets per second rates for all interfaces
f. WAN interface gateway(s) ping response times
g. Traffic shaper queues
h. Real time information and logging
i. SNMP, SNMP Trap, Syslog, Swatch, Monitoring capabilities

6. Dynamic Services

These features give administrators the flexibility to configure how DNS and LAN IP addresses are managed on the network.

a. Dynamic DNS
b. DNS Forwarding
c. DNS Caching
d. DHCP Server
e. DHCP Relay

7. Quality of Service

Active TCP feedback prevents buffer induced delays. QoS ships preconfigured for most applications.

a. Priority Queuing of VoIP and ACK
b. Adaptive Queue Management
c. Traffic shaper queues on systems with traffic shaping enabled

8. Managed Cloud Configuration

Networks are dynamic. They evolve over time and require updates. The RBA allows changes to be made locally and remotely with revision backups and automatic updating.

a. AS factory default reset
b. Cloud controlled auto provisioning
c. Automatic "managed" package updates
d. Per change configuration synchronization (logs user log in, local IP, and complete configuration)
e. Local backup/restore (30 local copies of configurations are restorable)
f. Cloud backup/restore (full configuration uploaded with each local change)
g. Disaster recovery (physical hardware configuration kick start from cloud backup)
h. Automatic network performance and diagnostic checking with cloud tracking
i. Integrated monitoring (SNMP, SNMP Trap, Syslog, Swatch, etc.) and cloud reporting

* Acceleration Systems professional services required to configure this feature to work with our cloud servers.