

RNA6108 Mid-Size Hardware Appliance Datasheet

POWERFUL AND EASY TO USE ADC



The **RNA6108 Hardware Appliance**, powered by 6 core processor, is a powerful optimized industrial server that provides the highest performance with the latest technology, secure and reliable application delivery controller to your business IT services, applications and networks.

SPECIFICATIONS

Massive scalability

- Load Balancing at layers L2, L3, L4, and L7, for networks, services, applications, and data centers.
- Advanced HTTP application features like session persistence, redirections, virtual hosts, cookie insertion, reverse proxy, compression, headers mangling, among others.
- Modern protocols support such as HTTP/2 and HTTP/3.
- Support of dNAT (transparency), sNAT, DSR, and stateless DNAT topologies.
- Layer 4 ultra-high performance and multi-protocol allowance in a single service.
- Traffic scalability and distribution by weight, round robin, CPU load, memory, least connections, least response, etc.
- Support of protocols TCP, UDP, SCTP, SIP, FTP, TFTP, HTTP, HTTPS, RDP, SSH, POP3, IMAP, SMTP, DNS, NTP, LDAP, LDAPS, radius, etc and applications MS Exchange, Lynx, Citrix, and more...
- Configurable traffic flow consistency through persistence
- Global Service Load Balancing via dynamic DNS Load Balancing supporting DNS SRV, DYNA, NAPTR, etc.

Security

- Advanced HTTPS features like SSL Offload, TCP SSL Offload, on the fly decryption/encryption, SNI and wildcard certificates support.
- Ready for A+ in SSL Labs and PCI compliance.
- Intrusion prevention and detection service (IPS+IDS).
- Predefined and fully configurable blocklists per geography, special networks, bad peers, anti botnets, spammers, web scrapers, spyware, brute force hosts, web exploits, and more
- DoS protection through detection of bogus TCP, maximum limit of established connections, resets, initial connections and more
- Real-time blackhole lists or DNSBL protection lists using highly reputation lists.

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- Web Application Firewall with predefined signatures validation for web services and applications.
- Multi Factor Authentication module with support for Radius, AD, LDAP and Google Captcha.

System

- Advanced network management: VLANs, virtual IPs, link aggregation, static routing, and IPv6.
- Configuration backups to allow quick disaster recovery procedures.
- Active-passive stateful cluster service with automated replication.
- Monitoring through SNMP, RRD graphs and email notifications.
- Optimized 64 bits operating system ready for massively scalable systems up to 40Gbps.
- Layered logs system.
- Role-based access multi-tenancy and audit system
- Responsive and user friendly web and CLI user interface.
- Automation support through REST+JSON API.
- Online and offline upgrade support.
- Easy upgrades and maintenance via remote repository.
- Active monitoring through SNMPv3 traps.
- UEFI and Secure Boot support.

Hardware Specifications

CPU	Intel® Core™ i5-9500, 3.00 GHz with 6 cores
Memory	16GB DDR4 (max. 32GB)
LAN	8 x Intel i210 GbE RJ45 (3 pairs of bypass)
Storage	256 GB 2,5" SSD
Console	1 x RJ45
Expansion Slot	1 x PCIe
USB	2 x USB 3.0
Power Supply	220W ATX single PSU, AC 100~240@50~60Hz
Dimensions	1U 19": 438(W) x 44(H) x 321(D) mm, or 17.2"(W) x 1.73"(H) x 12.63"(D)
Weight	7.5 kg
Operating Temperature	0 ~ 40°C, or 32°F ~ 104°F
Cooling System	3 x or 2 x Cooling Fans with Smart Fan
Operating Humidity	5 ~ 90%, non-condensing
IPMI card	No
Certifications	RoHS, CE/FCC Class A, UL

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Appliance I/O



- | | | |
|-----------------------|------------------------------|-----------------------|
| A LED | E USB 3.0 | I Cooling Fans |
| B LCM & Keys | F LAN Ports | J Power On/Off |
| C Reset Button | G NIC Slot | K PSU |
| D Console Port | H PCIe Slot (SKU A&B) | |

Optional Expansion Modules

E801	8 ports x 1Gb RJ45 Cooper
F410	4 ports x 10Gb SFP+
F240	2 ports x 40Gb QSFP

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RELIANOID Review

WHO IS USING RELIANOID?

Several hundred thousands of installations and deployments around the world are the background of RELIANOID. Companies and Enterprises from different sectors around the world rely on RELIANOID as a stable and professional product to provide high availability, security and massive scale solution for their infrastructure. Among RELIANOID's customers, we can find companies from various sectors like Healthcare, Education, Utilities, Internet Providers, Financial, Hosting Providers, Government, IT Consulting, Industry, etc.

WHAT CAN WE DO WITH RELIANOID?

RELIANOID makes massive scale infrastructure easier for networks, services, and applications. RELIANOID has a proven performance in different environments with software solutions like Citrix XenApp, Terminal Services, Microsoft Exchange, Outlook Web Access, IIS, Apache, Tomcat, Lotus Notes, and much more...

WHY RELIANOID?

We're developers of open high technology made easy for system administrators, network engineers, and DevOps. We believe in no limitations, transparency, and openness of technology.

What about performance?



5,720,000
TCP REQUESTS/SEC



320,000
HTTP REQUESTS/SEC



195,000
HTTPS REQUESTS/SEC