

## RNA16401 Full Redundant Hardware Appliance Datasheet

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### Powerful and easy to use ADC



The **RNA16401 Hardware Appliance**, powered by 16 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, advance management headers, among others.
- Support of dNAT (transparency), DSR, Stateless NAT, for high performance natting, and sNAT topologies.
- Traffic distribution is totally programmable.
- 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.
- Global Service Load Balancing via dynamic DNS Load Balancing supporting DNS SRV, DYNA, NAPTR, etc.

### Security

- Advanced HTTPS features like SSL Offload, on the fly decryption/encryption, SNI and wildcard certificates support.
- Ready for A+ in SSL Labs and PCI compliance.
- Web Application Firewall fully configurable and multiple predefined rules for the most known attacks.
- SSL Hardware acceleration by default.
- Intrusion prevention and detection service (IPS+IDS) with DoS protection, blacklists, and Realtime blackhole lists.
- Security analyzer to detect and fix security flaws or weak configurations.
- VPN services available.
- Automated updates for security resources.

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### System

- Advanced network management: VLANs, virtual IPs, link aggregation, static routing, VPN and IPv6.
- Configuration backups to allow quick disaster recovery procedures.
- Active-passive cluster service with automated replication..
- Optimized for reliable and high performance hardware.
- Monitoring through SNMP, RRD graphs and email notifications.
- Fully automation support through REST+JSON API or cli.
- Optimized 64 bits operating system ready for massive scalable systems.
- Layered logs system.

### Usability

- Responsive and user friendly web graphic user interface.
- Easy upgrades and maintenance.

### Hardware Specifications

CPU	AMD EPYC 7000 Series, Base Frequency 3 GHz with 16 cores
Memory	64GB DDR4 (max. 4 x 32GB per DIMM)
LAN	N/A
Storage	500 GB 2,5" SSD
Console	1 x RJ45
Expansion Slot	4 x PCIe
USB	2 x USB 3.0 type A
Power Supply	550W 1+1 ATX redundant PSUs, AC 100~240V@47~63Hz
Dimensions	1U 19": 438(W) x 44(H) x 610(D) mm, or 17.2"(W) x 1.73"(H) x 24.01"(D)
Weight	8 kg
Operating Temperature	0 ~ 40°C, or 32°F ~ 104°F
Operating Humidity	5 ~ 90%, non-condensing
Cooling System	5 x Individual Hot-swappable Cooling Fans
Certification EMC	CE Class A, FCC Class A, RoHS

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IPMI Yes (Optional IPMI Card)

### Appliance I/O



- A** LED (Power/Status/Storage)
  - B** 2x USB 3.0
  - C** 1x RJ45 (Left) & 1x Console (Right)
  - D** 4x NIC Slots
- E** Redundant PSUs
  - F** On/Off Switch
  - G** 5x Hot-swappable Cooling Fans

### Optional Expansion Modules

E801	8 ports x 1Gb RJ45 Cooper
F410	4 ports x 10Gb SFP+
F240	2 ports x 40Gb QSFP
F2100	2 ports x 100Gb QSFP28

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### RELIANOID Review

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#### 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?



8,600,000  
TCP REQUESTS/SEC



480,000  
HTTP REQUESTS/SEC



290,000  
HTTPS REQUESTS/SEC