

ZNA8214 HARDWARE APPLIANCE DATASHEET

Powerful and easy to use ADC



The **ZNA8214 Hardware Appliance** 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.

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	Intel® Xeon E-223, Base Frequency 3.40 GHz with 6 cores x 2
Memory	16GB DDR4 2667 MHz (max. 4 x 32GB per DIMM)
LAN	12 Gbe RJ45 (with 5 Pairs of Bypass) and 2x RJ45 MGT
Storage	64 GB m2 SATA
Console	12 Gbe RJ45 (with 5 Pairs of Bypass) and 2x RJ45 MGT
Expansion Slot	2 x PCIe
USB	2 x USB 3.0 type A
Power Supply	300W 1+1 ATX redundant power supply unit, AC 90~264V@47~63Hz
Dimensions	1U: 438(W) x 44(H) x 500(D) mm, or 17.2"(W) x 1.73"(H) x 19.68"(D)
Weight	8 kg
Operating Temperature	0 ~ 40°C, or 32°F ~ 104°F
Storage Temperature	-40° ~ 70°C, or -104°F ~ 158°F
Operating Humidity	5 ~ 90%, non-condensing
Cooling System	2 cooling silent fans
Certification EMC	CE Class A, FCC Class A, RoHS
IPMI	Yes (Optional IPMI Card)

Appliance I/O



Caption

F1	LED indicators
F2	LCM
F3	Console
F4	USB 3.0
F5	Embedded NICs
F6	Optional NIC expansion module (1x PCIe8)
R1	Optional PCIe expansion slot
R2	Cooling fans
R3	Power switch
R4	Single power supply

Optional Expansion Modules

E801	8 ports x 1Gb RJ45
F401	4 ports x 1Gb SFP
F240	2 ports x 40Gb QSFP
F410	4 ports x 10Gb SFP
E410	4 ports x 10Gb RJ45

ZEVENET Review

Who is using ZEVENET?

Several hundred thousands of installations and deployments around the world are the background of ZEVENET. Companies and Enterprises from different sectors around the world rely on ZEVENET as a stable and professional product to provide high availability, security and massive scale solutions for their infrastructure. Among ZEVENET'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 ZEVENET?

ZEVENET makes massive scale infrastructure easier for networks, services, and applications. ZEVENET has 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 ZEVENET?

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