

Infoblox DDI Appliances

Hardware and Performance Specifications



Infoblox DDI Appliances

Trinzic Appliances are Optimized for Remote Management and Energy Efficiency

Purpose-built network appliances deliver high-performance reliable and secure DNS, DHCP and IP Address Management (DDI)

Trinzic appliances are purpose-built, high-performance hardware devices that form the foundation of an organization's network services and reporting solutions. All models can be deployed individually or in high-availability pairs (HA) / distributed architecture, leveraging Infoblox's Grid architecture for optimal service resiliency.

Appliance-based delivery of IP network services and reporting has become a recommended industry best practice for any size organization. Appliances are inherently more reliable, manageable, scalable, and secure than software running on general-purpose servers whose well-understood operating systems are more easily compromised.

The 800, 1400, 2200 and 4000 Trinzic Appliances support Lights Out Management (LOM) for remote site communication and management, feature a Unit Identification Button / LED, and utilize the latest technology for achieving energy efficiency.

A Scalable Family of Hardware Platforms

The Trinzic appliance family offers a wide range of models that are designed to deliver the performance, capacity and availability required in each unique environment, from the smallest branch office to the largest enterprise or service provider network.





Infoblox DDI Appliances

Performance and Capacity Specification							
	Trinzic 810	Trinzic 820	Trinzic 1410	Trinzic 1420	Trinzic 2210	Trinzic 2220	Trinzic 4010
DNS Queries per Second	4,000	15,000	30,000	50,000	61,000	143,000	200,000
DHCP Leases per Second	60	105	210	300	375	600	1020
Hardware Redundancy	N/A	N/A	Optional second power supply, hot swappable, redundant. Field replaceable hard-disk	Optional second power supply, hot swappable, redundant. Field replaceable hard-disk	Hot swappable redundant power supplies, fans and four disks RAID-10	Hot swappable redundant power supplies, fans and four disks RAID-10	Hot swappable redundant power supplies, fans and four disks RAID-10

Remote Management	High Availability
<ul style="list-style-type: none"> Lights Out Management, IPMI 2.0 Unit Identification Button/LED Real-Time System Environmental and Fault Monitoring SNMP Monitoring with Infoblox MIBS 	<ul style="list-style-type: none"> Redundant Power Supplies Redundant Disks Redundant Cooling Fans Power Supply Field Replaceable Unit Disk Field Replaceable Unit Fan Field Replaceable Unit ECC RAM
Power Efficiency	Advanced Requirements
<ul style="list-style-type: none"> Lower Power Consumption Supports the GoGreen Initiative 	<ul style="list-style-type: none"> Top Quality, Enterprise-Class and Energy Efficient Components Custom-Designed Chassis to Meet US Government Security Requirements Service Provider Options with High-Performance DNS Caching, NEBS Compliance and DC Power Optical & Copper SFP Interfaces Expansion Slots



Infoblox DDI Appliances



The **Trinziec 810 network services appliance** is designed to serve small enterprise and branch-office applications, and can be deployed as a standalone unit or in high-availability pairs. The Trinziec 810 breaks the “white box barrier” because it’s priced at little or no premium to general-purpose servers with standard operating systems. Trinziec 810 utilizes latest energy efficient technology, supports a Unit Identification button / LED, and IPMI2.0 compliant Lights Out Management (LOM) for remote site communication and management.

Trinziec 810 Network Services Appliance	
Network Interfaces	<ul style="list-style-type: none"> • 2 10/100/1000 Base-T Ethernet (LAN ports) • 1 10/100/1000 Base-T Ethernet (HA port) • 1 10/100/1000 Base-T Ethernet (MGMT port)
Lights Out Management	<ul style="list-style-type: none"> • 1 10/100/1000 Base-T Ethernet LOM port • IPMI 2.0 compliant
Serial Port	DB-9 (9600/8n1, Xon/Xoff)
LCD Panel	N/A
USB Ports	One USB 2.0/1.1 compliant (reserved for future use)
AC Power Supply	<ul style="list-style-type: none"> • One internal PSU • Input voltage: 100 – 240 VAC switchable 47 – 63 HZ • Output Power: 360W
DC Power Supply	N/A
Disk and Fans	<ul style="list-style-type: none"> • Three redundant fans • One disk (fixed) • System on flash
Operating Temperature	<ul style="list-style-type: none"> • 41°F – 104°F (5°C to 40°C) • 10% – 90% relative humidity, non-condensing
Storage Temperature	<ul style="list-style-type: none"> • -13°F – 158°F (-25°C to 70°C) • 10% – 90% relative humidity, non-condensing
Dimensions and Weight	<ul style="list-style-type: none"> • Enclosure: 1-U 19 in. rack-mountable • Height: 44 mm (1.73 in.); 1-rack unit • Width: 441 mm (17.36 in.) • Depth: 437 mm (17.2 in.) • Weight: 25 lbs. (11.33 kg)
Railkit	Choice of 2-post, up-to-600 mm 4-post, or 600 – 900 mm 4-post
Certifications	<ul style="list-style-type: none"> • Safety: FCC, CE, TUV, CB, VCCI, C-Tick, KCC, CCC, NOM • Environmental: WEEE and RoHS
Support	Standard warranty includes 90-day software support with one-year hardware support; upgradable



Infoblox DDI Appliances



The **TrinziC 820 network services appliance** is designed to serve small to medium enterprises and regional branch-office applications, and can be deployed as a standalone unit or in high-availability pairs. TrinziC 820 utilizes latest energy efficient technology, supports a Unit Identification button / LED, and IPMI 2.0 compliant Lights out Management (LOM) for remote site communication and management.

TrinziC 820 Network Services Appliance	
Network Interfaces	<ul style="list-style-type: none"> • 2 10/100/1000 Base-T Ethernet (LAN ports) • 1 10/100/1000 Base-T Ethernet (HA port) • 1 10/100/1000 Base-T Ethernet (MGMT port)
Lights Out Management	<ul style="list-style-type: none"> • 1 10/100/1000 Base-T Ethernet LOM port • IPMI 2.0 compliant
Serial Port	DB-9 (9600/8n1, Xon/Xoff)
LCD Panel	N/A
USB Ports	One USB 2.0/1.1 compliant (reserved for future use)
AC Power Supply	<ul style="list-style-type: none"> • One internal PSU • Input voltage: 100 – 240 VAC switchable 47 – 63 HZ • Output Power: 360W
DC Power Supply	N/A
Disk and Fans	<ul style="list-style-type: none"> • Three redundant fans • One disk (fixed) • System on flash
Operating Temperature	<ul style="list-style-type: none"> • 41°F – 104°F (5°C to 40°C) • 10% – 90% relative humidity, non-condensing
Storage Temperature	<ul style="list-style-type: none"> • -13°F – 158°F (-25°C to 70°C) • 10% – 90% relative humidity, non-condensing
Dimensions and Weight	<ul style="list-style-type: none"> • Enclosure: 1-U 19 in. rack-mountable • Height: 44 mm (1.73 in.); 1-rack unit • Width: 441 mm (17.36 in.) • Depth: 437 mm (17.2 in.) • Weight: 25 lbs. (11.33 kg)
Railkit	Choice of 2-post, up-to-600 mm 4-post, or 600 – 900 mm 4-post
Certifications	<ul style="list-style-type: none"> • Safety: FCC, CE, TUV, CB, VCCI, C-Tick, KCC, CCC, NOM • Environmental: WEEE and RoHS
Support	Standard warranty includes 90-day software support with one-year hardware support; upgradable



Infoblox DDI Appliances



The **Trinzic 1410 appliance** is designed to serve small and medium-sized enterprises and branch-office applications, and can be deployed as a standalone unit or in high-availability pairs. Trinzic 1410 utilizes latest energy efficient technology, supports a Unit Identification button / LED, and IPMI 2.0 compliant Lights Out Management (LOM). For high availability and uptime, Trinzic 1410 supports a field replaceable hard drive and power supply, as well as optional second (redundant) power supply. Trinzic 1410 also supports optional SFP interfaces (optical/ copper), and offers a choice of AC or DC power.

Trinzic 1410 Network Services Appliance

Network Interfaces	<ul style="list-style-type: none"> • 2 10/100/1000 Base-T Ethernet (LAN ports) • 1 10/100/1000 Base-T Ethernet (HA port) • 1 10/100/1000 Base-T Ethernet (MGMT port) • Optional: Four 1GE SFP or 1GE/10GE SFP+ interfaces
Lights Out Management	<ul style="list-style-type: none"> • 1 10/100/1000 Base-T Ethernet LOM port • IPMI 2.0 compliant
Serial Port	DB-9 (9600/8n1, Xon/Xoff)
LCD Panel	Color LCD with input buttons
USB Ports	One USB 2.0/1.1 compliant (reserved for future use)
AC Power Supply	<ul style="list-style-type: none"> • One hot swappable PSU • Optional second, redundant PSU • Input Voltage: 90 - 264 VAC switchable, 47 - 63 HZ • Output Power: 450W
DC Power Supply	<ul style="list-style-type: none"> • One hot swappable PSU • Optional second, redundant PSU • Input Voltage: -36 - 72DC
Disk and Fans	<ul style="list-style-type: none"> • 3 (5 with SFP/SFP+) redundant fans • One field replaceable hard-disk • System on flash
Operating Temperature	<ul style="list-style-type: none"> • 41°F – 104°F (5°C to 40°C) • 10% – 90% relative humidity, non-condensing
Storage Temperature	<ul style="list-style-type: none"> • -13°F – 158°F (-25°C to 70°C) • 10% – 90% relative humidity, non-condensing
Dimensions and Weight	<ul style="list-style-type: none"> • Enclosure: 1-U 19 in. rack-mountable • Height: 44 mm (1.73 in.); 1-rack unit • Width: 441 mm (17.36 in.) • Depth: 437 mm (17.2 in.) • Weight: 24 - 28 lbs. (10.9 - 12.7 kg)



Infoblox DDI Appliances

Railkit	Choice of 2-post, up-to-600 mm 4-post, or 600 – 900 mm 4-post
Certifications	<ul style="list-style-type: none">• Safety: FCC, CE, TUV, CB, VCCI, C-Tick, KCC, CCC, NOM• Environmental: WEEE and RoHS
Support	Standard warranty includes 90-day software support with one-year hardware support; upgradable



Infoblox DDI Appliances



The **Trinziec 1420 hardware platforms** are designed to serve medium sized and large enterprises in headquarters and regional office environments, and can be deployed as a standalone unit or in high-availability pairs. Trinziec 1420 utilizes latest energy efficient technology, supports a Unit Identification button / LED, and IPMI 2.0 compliant Lights Out Management (LOM). For high availability and uptime, Trinziec 1420 supports field replaceable hard drive and power supply, as well as optional second (redundant) power supply. Trinziec 1420 also supports optional SFP interfaces (optical/copper), and offers a choice of AC or DC power.

Trinziec 1420 Network Services Appliance

Network Interfaces	<ul style="list-style-type: none"> • 2 10/100/1000 Base-T Ethernet (LAN ports) • 1 10/100/1000 Base-T Ethernet (HA port) • 1 10/100/1000 Base-T Ethernet (MGMT port) Optional: Four 1GE SFP or 1GE/10GE SFP+ interfaces
Lights Out Management	<ul style="list-style-type: none"> • 1 10/100/1000 Base-T Ethernet LOM port • IPMI 2.0 compliant
Serial Port	DB-9 (9600/8n1, Xon/Xoff)
LCD Panel	Color LCD with input buttons
USB Ports	One USB 2.0/1.1 compliant (reserved for future use)
AC Power Supply	<ul style="list-style-type: none"> • One hot swappable PSU • Optional second, redundant PSU • Input Voltage: 90 - 264 VAC switchable, 47 - 63 HZ • Output Power: 450W
DC Power Supply	<ul style="list-style-type: none"> • One hot swappable PSU • Optional second, redundant PSU • Input Voltage: -36 - 72DC
Disk and Fans	<ul style="list-style-type: none"> • 3 (5 with SFP/SFP+) redundant fans • One field replaceable hard-disk • System on flash
Operating Temperature	<ul style="list-style-type: none"> • 41°F – 104°F (5°C to 40°C) • 10% – 90% relative humidity, non-condensing
Storage Temperature	<ul style="list-style-type: none"> • -13°F – 158°F (-25°C to 70°C) • 10% – 90% relative humidity, non-condensing
Dimensions and Weight	<ul style="list-style-type: none"> • Enclosure: 1-U 19 in. rack-mountable • Height: 44 mm (1.73 in.); 1-rack unit • Width: 441 mm (17.36 in.) • Depth: 437 mm (17.2 in.) • Weight: 24 - 28 lbs. (10.9 - 12.7 kg)



Infoblox DDI Appliances

Railkit	Choice of 2-post, up-to-600 mm 4-post, or 600 – 900 mm 4-post
Certifications	<ul style="list-style-type: none">• Safety: FCC, CE, TUV, CB, VCCI, C-Tick, KCC, CCC, NOM• Environmental: WEEE and RoHS
Support	Standard warranty includes 90-day software support with one-year hardware support; upgradable



Infoblox DDI Appliances



The **Trinzie 2210 network services appliance** is designed to serve medium sized and large enterprises in headquarters and regional office environment. Trinzie 2210 utilizes latest energy efficient technology, supports a Unit Identification button / LED, and IPMI 2.0 compliant Lights Out Management (LOM). For high availability and uptime, Trinzie 2210 supports field replaceable hard drive, power supply and fans. Trinzie 2210 supports redundant power supplies and hard drives (RAID 10). Trinzie 2210 also supports optional SFP interfaces (optical/copper), and offers a choice of AC or DC power.

Trinzie 2210 Network Services Appliance

Network Interfaces	<ul style="list-style-type: none"> • 2 10/100/1000 Base-T Ethernet (LAN ports) • 1 10/100/1000 Base-T Ethernet (HA port) • 1 10/100/1000 Base-T Ethernet (MGMT port) • Optional: Four 1GE SFP or 1GE/10GE SFP+ interfaces
Lights Out Management (LOM)	<ul style="list-style-type: none"> • 1 10/100/1000 Base-T Ethernet LOM port • IPMI 2.0 compliant
Serial Port	DB-9 (9600/8n1, Xon/Xoff)
LCD Panel	Color LCD with input buttons
USB Ports	Two USB 2.0/1.1 compliant (reserved for future use)
AC Power Supply	<ul style="list-style-type: none"> • Two hot swappable, redundant PSUs • Input Voltage: 90 - 264 VAC switchable, 47 - 63 HZ • Output Power: 960W
DC Power Supply	<ul style="list-style-type: none"> • Two hot swappable, redundant PSUs • Input Voltage: -36 - 72DC
Disk and Fans	<ul style="list-style-type: none"> • Five hot-swappable, redundant fans • Four hot swappable, redundant disks RAID-10 • System on flash
Operating Temperature	<ul style="list-style-type: none"> • 41°F – 104°F (5°C to 40°C) • 10% – 90% relative humidity, non-condensing
Storage Temperature	<ul style="list-style-type: none"> • -13°F – 158°F (-25°C to 70°C) • 10% – 90% relative humidity, non-condensing
Dimensions and Weight	<ul style="list-style-type: none"> • Enclosure: 2-U. rack-mountable • Height: 88 mm (3.46 in.); 2-rack units • Width: 441 mm (17.36 in.) • Depth: 540 mm (21.26 in.) • Weight: Approximately 40 lbs. (18.14 kg)



Infoblox DDI Appliances

Railkit	Choice of 2-post, up-to-600 mm 4-post, or 600 – 900 mm 4-post
Certifications	<ul style="list-style-type: none">• Safety: FCC, CE, TUV, CB, VCCI, C-Tick, KCC, CCC, NOM• Environmental: WEEE and RoHS
Support	Standard warranty includes 90-day software support with one-year hardware support; upgradable



Infoblox DDI Appliances



The **Trinzic 2220 network services appliance** is targeted at large ISPs, Telcos and other network operators that require high DNS caching throughput at the lowest possible TCO while increasing resilience and security. Trinzic 2220 utilizes latest energy efficient technology, supports a Unit Identification button / LED, and IPMI 2.0 compliant Lights Out Management (LOM). For high availability and uptime, Trinzic 2220 supports field replaceable hard drive, power supply and fans. Trinzic 2220 supports redundant power supplies and hard drives (RAID 10). Trinzic 2220 also supports optional SFP interfaces (optical/copper), and offers a choice of AC or DC power.

Trinzic 2220 Network Services Appliance

Network Interfaces	<ul style="list-style-type: none"> • 2 10/100/1000 Base-T Ethernet (LAN ports) • 1 10/100/1000 Base-T Ethernet (HA port) • 1 10/100/1000 Base-T Ethernet (MGMT port) • Optional: Four 1GE SFP or 1GE/10GE SFP+ interfaces
Lights Out Management (LOM)	<ul style="list-style-type: none"> • 1 10/100/1000 Base-T Ethernet LOM port • IPMI 2.0 compliant
Serial Port	DB-9 (9600/8n1, Xon/Xoff)
LCD Panel	Color LCD with input buttons
USB Ports	Two USB 2.0/1.1 compliant (reserved for future use)
AC Power Supply	<ul style="list-style-type: none"> • Two hot swappable, redundant PSUs • Input Voltage: 90 - 264 VAC switchable, 47 - 63 HZ • Output Power: 960W
DC Power Supply	<ul style="list-style-type: none"> • Two hot swappable, redundant PSUs • Input Voltage: -36 - 72DC
Disk and Fans	<ul style="list-style-type: none"> • Five hot-swappable, redundant fans • Four hot swappable, redundant disks RAID-10 • System on flash
Operating Temperature	<ul style="list-style-type: none"> • 41°F – 104°F (5°C to 40°C) • 10% – 90% relative humidity, non-condensing
Storage Temperature	<ul style="list-style-type: none"> • -13°F – 158°F (-25°C to 70°C) • 10% – 90% relative humidity, non-condensing
Dimensions and Weight	<ul style="list-style-type: none"> • Enclosure: 2-U. rack-mountable • Height: 88 mm (3.46 in.); 2-rack units • Width: 441 mm (17.36 in.) • Depth: 540 mm (21.26 in.) • Weight: Approximately 40 lbs. (18.14 kg)



Infoblox DDI Appliances

Railkit	Choice of 2-post, up-to-600 mm 4-post, or 600 – 900 mm 4-post
Certifications	<ul style="list-style-type: none">• Safety: FCC, CE, TUV, CB, VCCI, C-Tick, KCC, CCC, NOM• Environmental: WEEE and RoHS
Support	Standard warranty includes 90-day software support with one-year hardware support; upgradable



Infoblox DDI Appliances



The **TrinziC 4010 is a high-performance, carrier grade network appliance** designed to deliver high-performance external DNS services for ISPs / Telcos, and, large enterprises, as well as high scale DHCP and Grid management applications. TrinziC 4010 can be deployed stand alone and in HA, as a Grid member or as a Grid master. TrinziC 4010 features redundant, hot swappable power supplies, fan modules, and hard disk drives, as well as optional SFP interfaces (optical/copper). TrinziC 4010 is available in both, an AC version and US NEBS-3 Compliant DC versions to meet stringent, standardized environmental requirements for deployment in Service Provider central offices. TrinziC 4010 supports Unit Identification button/ LEDs, Lights Out Management (LOM) and is IPMI 2.0 compliant.

TrinziC 4010 Network Services Appliance

Network Interfaces	<ul style="list-style-type: none"> • 2 10/100/1000 Base-T Ethernet (LAN ports) • 1 10/100/1000 Base-T Ethernet (HA port) • 1 10/100/1000 Base-T Ethernet (MGMT port) • Optional: Four 1GE SFP or 1GE/10GE SFP+ interfaces
Lights Out Management (LOM)	<ul style="list-style-type: none"> • 1 10/100/1000 Base-T Ethernet LOM port • IPMI 2.0 compliant
Serial Port	DB-9 (9600/8n1, Xon/Xoff)
LCD Panel	N/A
USB Ports	Six USB 2.0/1.1 compliant (reserved for future use)
AC Power Supply	<ul style="list-style-type: none"> • Two hot swappable, redundant PSUs • Input Voltage: 100 - 120 VAC, 200 to 240 VAC 50 - 60 HZ • Output Power: 750W
DC Power Supply	<ul style="list-style-type: none"> • Two hot swappable, redundant PSUs • Input Voltage: -36 – 72DC
Disk and Fans	<ul style="list-style-type: none"> • Four or six (4 for AC model, 6 for DC/NEBS model) hot swappable redundant fans • Four hot swappable, redundant disks RAID-10
Operating Temperature	<ul style="list-style-type: none"> • 50°F – 95°F (10°C to 35°C) • 10% – 90% (non-condensing)
Storage Temperature	<ul style="list-style-type: none"> • -22°F – 140°F (-30°C to 60°C) • 10% – 90% (non-condensing)
Dimensions and Weight	<ul style="list-style-type: none"> • Enclosure: 2-U. rack-mountable (4-post only) • Height: 85.9mm (3.38 in.); 2-rack unit • Width: 445.4 mm (17.53 in.) • Depth: 660.7 mm (26.01 in.)



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	<ul style="list-style-type: none">• Approximately 60 lbs. (27.2 kg)
Railkit	4-post
Certifications	<ul style="list-style-type: none">• Safety: FCC, CE, TUV, CB, VCCI, C-Tick, KCC, CCC, NOM• Environmental: WEEE and RoHS
Support	Standard warranty includes 90-day software support with one-year hardware support; upgradable



Infoblox Product Warranty and Services

The standard hardware warranty is for a period of one year. The system software has a 90-day warranty that will meet published specifications. Optional service products are also available that extend the hardware and software warranty. These products are recommended to ensure the appliance is kept updated with the latest software enhancements and to ensure the security and availability of the system. Professional services and training courses are also available from Infoblox. Information in this document is subject to change without notice. Infoblox Inc. assumes no responsibility for errors that appear in this document.

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