

# Infoblox enterprise DDI appliances

## TRINZIC X5 APPLIANCES ENABLE NETWORK TRANSFORMATION

Hybrid technologies are driving network transformation. With greater direct access to cloud applications from everywhere, the enterprise cloud is the new network. Policy-driven, software-defined networks with virtualized functionality are enabling remote offices and users at the network edge. BYOD mobility and IoT are skyrocketing, making network scalability and security an ever-increasing challenge.

Infoblox Trinzic X5 hardware and software appliances deliver a platform with all the capabilities you need to see, secure, analyze and manage your network.

The Trinzic X5 the latest generation of reliable, security-hardened, automated, distributed, high-availability and easy-to-manage appliances that power core network services, security, cloud and value-added service solutions. These appliances deliver the speed, capacity and functionality necessary to get the most from emerging digital technologies. They support the latest network drivers and features, deploy services without degrading DDI performance and enable portability to help you adapt to dynamic business requirements. Trinzic X5 improves visibility, security, reliability and performance across the data center, hybrid multi-cloud and branch offices to the very edge of your network.

Trinzic X5 appliances can be deployed individually or in a high-availability (HA) pair distributed architecture, leveraging Infoblox Grid for optimal service resiliency. They support lights-out management (LOM) for remote site communication and management, feature a unit identification button/ LED and use the latest technology for achieving energy efficiency.

Appliance-based delivery of IP network services is an industry best practice. It is inherently more reliable, secure, scalable and manageable than software running on general-purpose servers whose well-understood operating systems are more easily compromised.

## APPLIANCES

- Support appliances on various hybrid multi-cloud platforms
- Save power by reducing the number of servers and physical appliances
- Lower TCO by saving hardware, power, cooling and real-estate costs
- Deploy easily using your standard virtualization practices

## PURPOSE-BUILT APPLIANCES

### Remote Management

- Lights Out Management, IPMI 2.0
- Unit-identification button/LED
- Real-time system environmental and fault monitoring
- SNMP monitoring with Infoblox MIBS

### High Availability

- 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

- Lower power consumption
- Supports for the Go Green initiative

## A SCALABLE FAMILY OF HARDWARE AND SOFTWARE APPLIANCES

The Trinzic X5 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.

The Trinzic X5 platform offers deployment flexibility as physical or software members, on-premises, or as software members in public clouds, such as Amazon Web Services (AWS), Google Cloud Platform (GCP) and Microsoft Azure.

In virtualized environments, servers are created, moved and shut down frequently. IT workload increases to configure and manage IP assignments and DNS records. Infoblox DNS, DHCP and IPAM solutions provide management automation to reduce administrative effort and eliminate human errors that can cause application availability problems.

The Trinzic 8X5 series appliances are designed for remote and branch locations. The 14X5 and 22X5 series are for larger remote and branch locations, as well as small and medium-size organizations. The 40X5 series is for use by large enterprises and carriers.

### Advanced Requirements

- Top-quality, enterprise-class and energy-efficient components
- Custom-designed chassis to meet U.S. Government security requirements
- Service-provider options with high-performance DNS caching, and NEBS compliance and DC power
- Optical and copper SFP interfaces
- Expansion slots

Infoblox Trinzic X5 Appliance Performance								
	8X5 Chassis		14X5 Chassis		22X5 Chassis		40X5 Chassis	
	Trinzic 815	Trinzic 825	Trinzic 1415	Trinzic 1425	Trinzic 2215	Trinzic 2225	Trinzic 4015	Trinzic 4025
<b>DNS Queries per Second*</b>	6K	22.5K	45K	75K	90K	200K	300K	300K
<b>DHCP Leases per Second*</b>	90	150	300	450	550	900	1400	1400
<b>Hardware Redundancy</b>	N/A		Optional second power supply, hot-swappable redundant. Field-replaceable hard disk		Hot-swappable, redundant power supplies, fans and four disks RAID-10			
<b>Software Appliances Supported</b>	Yes		Yes		Yes			

The stated performance numbers are for reference only. They represent the results of lab testing in a controlled environment focused on individual protocol services. Enabling additional protocols, services, cache hit ratio for recursive DNS and customer environment variables will affect performance. To design and size a solution for a production environment, please contact your local Infoblox Solution Architect.

## SOFTWARE APPLIANCE SPECIFICATIONS

TE-805 Software Appliances	
Hypervisor (Private Cloud) supported	MS Hyper-V, Nutanix AHV, OpenStack KVM, and VMWare ESXi
Public Cloud platform supported	AWS, GCP, and MS Azure

TE-1405 Virtual Software Appliances	
Hypervisor (Private Cloud) supported	MS Hyper-V, Nutanix AHV, OpenStack KVM and VMWare ESXi
Public cloud platform supported	AWS, GCP and MS Azure

TE-2205 Virtual Software Appliances	
Hypervisor (Private Cloud) supported	MS Hyper-V, Nutanix AHV, OpenStack KVM and VMWare ESXi
Public cloud platform supported	AWS, GCP, and MS Azure

TE-4005 Virtual Software Appliances	
Hypervisor (Private Cloud) supported	MS Hyper-V, Nutanix AHV, OpenStack KVM and VMWare ESXi
Public Cloud platform supported	AWS, GCP, and MS Azure

TE-4015 Virtual Software Appliances	
Hypervisor (private cloud) supported	MS Hyper-V, Nutanix AHV, OpenStack KVM and VMWare ESXi
Public cloud platform supported	AWS, GCP and MS Azure

TE-4025 Virtual Software Appliances	
Hypervisor (private cloud) supported	MS Hyper-V, Nutanix AHV, OpenStack KVM and VMWare ESXi
Public cloud platform supported	GCP and MS Azure

Note: Some of these platforms may support a subset of these appliances. Please contact your Solution Architect for more details.

## INFOBLOX TRINZIC X5 APPLIANCE SPECIFICATIONS



TE-805	
<b>Network Interfaces Options</b>	<ul style="list-style-type: none"> <li>Two 10/100/1000 Base-T Ethernet (LAN ports)</li> <li>One 10/100/1000 Base-T Ethernet (HA port)</li> <li>One 10/100/1000 Base-T Ethernet (MGMT port)</li> </ul>
<b>Lights Out Management (LOM)</b>	<ul style="list-style-type: none"> <li>One 10/100/1000 Base-T Ethernet LOM port, IPMI 2.0 compliant</li> <li>Supports IPv4</li> </ul>
<b>Serial Port</b>	DB-9 (9600/8n1, Xon/Xoff)
<b>USB Ports</b>	One USB 3.0/2.0 compliant
<b>LCD Panel</b>	NA
<b>Unit Identification</b>	Front and back
<b>AC Power Supply</b>	<ul style="list-style-type: none"> <li>One internal fixed PSU</li> <li>Input voltage: 100–240 VAC switchable 47–63 Hz</li> <li>Output power: 350W</li> </ul>
<b>DC Power Supply</b>	N/A
<b>Chassis Ground</b>	Included (ground lug)
<b>Disk and Fans</b>	<ul style="list-style-type: none"> <li>Three fixed fans</li> <li>One fixed disk drive</li> <li>System on flash</li> </ul>
<b>Operating Temperature</b>	<ul style="list-style-type: none"> <li>41°F to 95°F (5°C to 35°C)</li> <li>5% to 95% relative humidity, non-condensing</li> </ul>
<b>Storage Temperature</b>	<ul style="list-style-type: none"> <li>-40°F to 122°F (-40°C to 50°C)</li> <li>5% to 95% relative humidity, non-condensing</li> </ul>
<b>Dimensions and Weight</b>	<ul style="list-style-type: none"> <li>Enclosure: 1U, 19 in., rack mountable</li> <li>Height: 44 mm (1.73 in.); 1 rack unit</li> <li>Width: 441 mm (17.36 in.)</li> <li>Depth: 522 mm (20.55 in.)</li> <li>Weight: Approximately 17 lbs (7.71 kg)</li> </ul>
<b>Rail Kit</b>	Choice of 2-post, up-to-600 mm 4-post, or 600–900 mm 4-post
<b>Certification</b>	<ul style="list-style-type: none"> <li>Safety: FCC, CE, TUV, CB, VCCI, C-Tick, KCC, CCC, NOM, BIS, and GOST</li> <li>Environmental: WEEE and RoHS</li> </ul>
<b>Support</b>	Standard warranty includes 90-day software support with one-year hardware support; upgradable

TE-1405	
<b>Network Interfaces Options</b>	<ul style="list-style-type: none"> <li>Two 10/100/1000 Base-T Ethernet (LAN ports)</li> <li>One 10/100/1000 Base-T Ethernet (HA port)</li> <li>One 10/100/1000 Base-T Ethernet (MGMT port)</li> <li>NIC Card: No card, 1GE or 10GE NIC</li> <li>Transceiver: Four 1GE SFP or 1GE/10GE SFP+ interfaces*</li> </ul>
<b>Lights Out Management (LOM)</b>	<ul style="list-style-type: none"> <li>One 10/100/1000 Base-T Ethernet LOM port; IPMI 2.0 compliant</li> <li>Supports IPv4</li> </ul>
<b>Serial Port</b>	DB-9 (9600/8n1, Xon/Xoff)
<b>USB Ports</b>	One USB 3.0/2.0 compliant (reserved for future use)
<b>LCD Panel</b>	NA
<b>Unit Identification</b>	Front and back
<b>AC Power Supply (SKU Option)</b>	<ul style="list-style-type: none"> <li>Two hot-swappable AC PSUs</li> <li>Input voltage: 100–240 VAC switchable, 50–60 Hz</li> <li>Output power: 600W</li> </ul>
<b>DC Power Supply (SKU Option for Telco Use Only)</b>	<ul style="list-style-type: none"> <li>One hot-swappable PSU</li> <li>Optional second hot-swappable redundant PSU</li> <li>Input voltage: -32 to -72VDC, 600W</li> </ul>
<b>Chassis Ground</b>	Included (ground lug)
<b>Disk and Fans</b>	<ul style="list-style-type: none"> <li>Six fixed fans</li> <li>Two field-replaceable hard drives</li> <li>System on flash</li> </ul>
<b>Operating Temperature</b>	<ul style="list-style-type: none"> <li>41°F to 95°F (5°C to 35°C)</li> <li>5% to 95% relative humidity, non-condensing</li> </ul>
<b>Storage Temperature</b>	<ul style="list-style-type: none"> <li>-40°F to 122°F (-40°C to 50°C)</li> <li>5% to 95% relative humidity, non-condensing</li> </ul>
<b>Dimensions and Weight</b>	<ul style="list-style-type: none"> <li>Enclosure: 1U, 19 in., rack mountable</li> <li>Height: 44 mm (1.73 in.); 1 rack unit</li> <li>Width: 441 mm (17.36 in.)</li> <li>Depth: 547 mm (21.54 in.)</li> <li>Weight: Approximately 20 lbs (9.07 kg)</li> </ul>
<b>Rail Kit</b>	Choice of 2-post, up-to-600 mm 4-post, or 600–900 mm 4-post
<b>Certification</b>	<ul style="list-style-type: none"> <li>Safety: FCC, CE, TUV, CB, VCCI, C-Tick, KCC, CCC, NOM, BIS, and EAC</li> <li>Environmental: WEEE and RoHS</li> </ul>
<b>Support</b>	Standard warranty includes 90-day software support with one-year hardware support; upgradable

\* Since some models do not support SFP (Small Form-Factor Pluggable) interfaces, and some platforms may support a subset of appliances, please confirm compatibility with your Solution Architect or Infoblox Support.



TE-2205	
<b>Network Interfaces Options</b>	<ul style="list-style-type: none"> <li>Two 10/100/1000 Base-T Ethernet (LAN ports)</li> <li>One 10/100/1000 Base-T Ethernet (HA port)</li> <li>One 10/100/1000 Base-T Ethernet (MGMT port)</li> <li>NIC Card: No card, 1GE or 10GE NIC</li> <li>Transceiver: Four 1GE SFP or 1GE/10GE SFP+ interfaces*</li> </ul>
<b>Lights Out Management (LOM)</b>	<ul style="list-style-type: none"> <li>One 10/100/1000 Base-T Ethernet LOM port; IPMI 2.0 compliant</li> <li>Supports IPv4</li> </ul>
<b>Serial Port</b>	DB-9 (9600/8n1, Xon/Xoff)
<b>USB Ports</b>	One USB 3.0/2.0 compliant (reserved for future use)
<b>LCD Panel</b>	NA
<b>Unit Identification</b>	Front and back
<b>AC Power Supply (SKU Option)</b>	<ul style="list-style-type: none"> <li>Two hot-swappable PSUs</li> <li>Input voltage: 100-240 VAC switchable, 50-60 Hz.</li> <li>Output power: 600W</li> </ul>
<b>DC Power Supply (SKU Option for Telco Use Only)</b>	<ul style="list-style-type: none"> <li>Two hot-swappable PSUs</li> <li>Input: -32VDC to -72VDC; 600W</li> </ul>
<b>Chassis Ground</b>	Included (ground lug)
<b>Disk and Fans</b>	<ul style="list-style-type: none"> <li>Six hot-swappable, redundant fans</li> <li>Four hot-swappable, redundant disks RAID-10</li> <li>System on flash</li> </ul>
<b>Operating Temperature</b>	<ul style="list-style-type: none"> <li>41°F to 95°F (5°C to 35°C)</li> <li>5% to 95% relative humidity, non-condensing</li> </ul>
<b>Storage Temperature</b>	<ul style="list-style-type: none"> <li>-40°F to 122°F (-40°C to 50°C)</li> <li>5% to 95% relative humidity, non-condensing</li> </ul>
<b>Dimensions and Weight</b>	<ul style="list-style-type: none"> <li>Enclosure: 2U, rack mountable</li> <li>Height: 88 mm (3.46 in.); 2 rack units</li> <li>Width: 441 mm (17.36 in.)</li> <li>Depth: 547 mm (21.54 in.)</li> <li>Weight: Approximately 29 lbs (13.15 kg)</li> </ul>
<b>Rail Kit</b>	Choice of 2-post, up-to-600 mm 4-post, or 600-900 mm 4-post
<b>Certification</b>	<ul style="list-style-type: none"> <li>Safety: FCC, CE, TUV, CB, VCCI, C-Tick, KCC, CCC, NOM, BIS, and EAC</li> <li>Environmental: WEEE and RoHS</li> </ul>
<b>Support</b>	Standard warranty includes 90-day software support with one-year hardware support; upgradable

TE-4005	
<b>Network Interfaces Options</b>	<ul style="list-style-type: none"> <li>Two 10/100/1000 Base-T Ethernet (LAN ports)</li> <li>One 10/100/1000 Base-T Ethernet (HA port)</li> <li>One 10/100/1000 Base-T Ethernet (MGMT port)</li> <li>NIC Card: No card, 1GE or 10GE NIC</li> <li>Transceiver: Four 1GE SFP or 1GE/10GE SFP+ interfaces*</li> </ul>
<b>Lights Out Management (LOM)</b>	One 10/100/1000 Base-T Ethernet LOM port; IPMI 2.0 compliant
<b>Serial Port</b>	DB-9 (9600/8n1, Xon/Xoff)
<b>USB Ports</b>	Six USB 2.0/1.1 compliant (reserved for future use)
<b>LCD Panel</b>	NA
<b>Unit Identification</b>	Front and back
<b>AC Power Supply (SKU Option)</b>	<ul style="list-style-type: none"> <li>Two hot-swappable AC PSUs</li> <li>Input voltage: 100-240 VAC, 50-60 Hz</li> <li>Output power: 600W</li> </ul>
<b>DC Power Supply (SKU Option for Telco Use Only)</b>	<ul style="list-style-type: none"> <li>Two hot-swappable PSUs</li> <li>Input: -32VDC to -72VDC; 600W</li> </ul>
<b>Chassis Ground</b>	Included (ground lug)
<b>Disk and Fans</b>	<ul style="list-style-type: none"> <li>Four or six (four for AC model, six for DC/NEBS model) hot-swappable, redundant fans</li> <li>Four hot-swappable, redundant disks RAID-10</li> </ul>
<b>Operating Temperature</b>	<ul style="list-style-type: none"> <li>50°F to 95°F (10°C to 35°C)</li> <li>10% to 90% non-condensing</li> </ul>
<b>Storage Temperature</b>	<ul style="list-style-type: none"> <li>-22°F to 140°F (-30°C to 60°C)</li> <li>10% to 90% non-condensing</li> </ul>
<b>Dimensions and Weight</b>	<ul style="list-style-type: none"> <li>Enclosure: 2U, rack mountable</li> <li>Height: 88 mm (3.46 in.); 2 rack units</li> <li>Width: 441 mm (17.36 in.)</li> <li>Depth: 547 mm (21.54 in.)</li> <li>Weight: Approximately 29 lbs (13.15 kg)</li> </ul>
<b>Rail Kit</b>	Choice of 2-post, up-to-600 mm 4-post, or 600-900 mm 4-post
<b>Certification</b>	<ul style="list-style-type: none"> <li>Safety: FCC, CE, TUV, CB, VCCI, C-Tick, KCC, CCC, NOM, BIS, and EAC</li> <li>Environmental: WEEE and RoHS</li> </ul>
<b>Support</b>	Standard warranty includes 90-day software support with one-year hardware support; upgradable

\* Since some models do not support SFP (Small Form-Factor Pluggable) interfaces, and some platforms may support a subset of appliances, please confirm compatibility with your Solution Architect or Infoblox Support.



Infoblox unites networking and security to deliver unmatched performance and protection. Trusted by Fortune 100 companies and emerging innovators, we provide real-time visibility and control over who and what connects to your network, so your organization runs faster and stops threats earlier.

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