Infoblox Next Level Trinzic Enterprise DDI Appliances

Virtual Appliances
- Virtual appliances supported on various hypervisor and 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

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

Trinzic Next Level Appliances Enable Network Transformation

Hybrid technologies are driving network transformation. With greater direct access to cloud applications from everywhere, 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 Next Level Networking delivers a platform with all the capabilities you need to see, secure, analyze and manage your network. At the center of the Infoblox platform are the XXX5 Trinzic physical, virtual and cloud-based appliances. These are the latest generation of reliable, security-hardened, automated, distributed, high-availability and easy-to-manage machines that power core network services, security, cloud and value-added solutions. The XXX5 Trinzics deliver the speed, capacity and functionality required 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 XXX5 appliances improve visibility, security, reliability and performance from the data center, to branch offices, and to the very edge of your network.
The Trinzic XXX5 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 utilize the latest technology for achieving energy efficiency.

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

A Scalable Family of Hardware and Software Appliances

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.

The Trinzic appliance family offers deployment flexibility. Appliances can be deployed as physical appliances or virtual appliances on-premise. Alternatively, they can also be deployed as virtual appliances in public clouds, such as Amazon Web Services and Microsoft Azure.

In a virtualized environment, servers are created, moved and shutdown 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 Trinzic 14X5 and 22X5 series are for larger remote and branch locations, as well as small-to-medium sized organizations. The Trinzic 40X5 series is for use by large enterprises and carriers.

### Infoblox Next Level Trinzic Appliance Performance

<table>
<thead>
<tr>
<th></th>
<th>8X5 Chassis</th>
<th>14X5 Chassis</th>
<th>22X5 Chassis</th>
<th>40X5 Chassis</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DNS Queries per Second</strong>*</td>
<td>6K</td>
<td>22.5K</td>
<td>45K</td>
<td>75K</td>
</tr>
<tr>
<td><strong>DHCP Leases per Second</strong></td>
<td>90</td>
<td>150</td>
<td>300</td>
<td>450</td>
</tr>
<tr>
<td><strong>Hardware Redundancy</strong></td>
<td>N/A</td>
<td>Optional second power supply, hot-swappable redundant. Field-replaceable hard</td>
<td>Hot-swappable, redundant power supplies, fans, and four disks RAID-10</td>
<td></td>
</tr>
<tr>
<td><strong>Virtual Appliances Supported</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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 Systems Engineer.
## Virtual Appliance Specifications

<table>
<thead>
<tr>
<th>TE-805 Virtual Appliances</th>
<th>TE-1405 Virtual Appliances</th>
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* Some of these platforms may support a subset of these appliances. Please contact your account representative for more details.
### TE-805

**Network Interfaces Options**
- Two 10/100/1000 Base-T Ethernet (LAN ports)
- One 10/100/1000 Base-T Ethernet (HA port)
- One 10/100/1000 Base-T Ethernet (MGMT port)

**Lights Out Management (LOM)**
- One 10/100/1000 Base-T Ethernet LOM port, IPMI 2.0 compliant
- Supports IPv4

**Serial Port**
- DB-9 (9600/8n1, Xon/Xoff)

**USB Ports**
- One USB 3.0/2.0 compliant

**AC Power Supply**
- One internal fixed PSU
  - Input voltage: 100–240 VAC switchable
  - Output power: 350W

**DC Power Supply**
- N/A

**Chassis Ground**
- Included (ground lug)

**Disk and Fans**
- Three fixed fans
  - One fixed disk drive
  - System on flash

**Operating Temperature**
- 41°F to 95°F (5°C to 35°C)
- 5% to 95% relative humidity, non-condensing

**Storage Temperature**
- -40°F to 122°F (-40°C to 50°C)
- 5% to 95% relative humidity, non-condensing

**Dimensions and Weight**
- Enclosure: 1U, 19 in., rack mountable
  - Height: 44 mm (1.73 in.); 1 rack unit
  - Width: 441 mm (17.36 in.)
  - Depth: 522 mm (20.55 in.)
  - Weight: Approximately 17 lbs (7.71 kg)

**Rail Kit**
- Choice of 2-post, up-to-600 mm 4-post, or 600–900 mm 4-post

**Certification**
- Safety: FCC, CE, TUV, CB, VCCI, C-Tick, KCC, CCC, NOM, BIS, and GOST
- Environmental: WEEE and RoHS

**Support**
- Standard warranty includes 90-day software support with one-year hardware support; upgradable

### TE-1405

**Network Interfaces Options**
- Two 10/100/1000 Base-T Ethernet (LAN ports)
- One 10/100/1000 Base-T Ethernet (HA port)
- One 10/100/1000 Base-T Ethernet (MGMT port)

**Lights Out Management (LOM)**
- One 10/100/1000 Base-T Ethernet LOM port; IPMI 2.0 compliant
- Supports IPv4

**Serial Port**
- DB-9 (9600/8n1, Xon/Xoff)

**USB Ports**
- One USB 3.0/2.0 compliant (reserved for future use)

**AC Power Supply (SKU Option)**
- Two hot-swappable AC PSUs
  - Input voltage: 100–240 VAC switchable, 50–60 Hz
  - Output power: 600W

**DC Power Supply (SKU Option for Telco Use Only)**
- One hot-swappable PSU
  - Optional second hot-swappable redundant PSU
  - Input voltage: -32 to -72VDC, 600W

**Chassis Ground**
- Included (ground lug)

**Disk and Fans**
- Six fixed fans
  - Two field-replaceable hard drives
  - System on flash

**Operating Temperature**
- 41°F to 95°F (5°C to 35°C)
- 5% to 95% relative humidity, non-condensing

**Storage Temperature**
- -40°F to 122°F (-40°C to 50°C)
- 5% to 95% relative humidity, non-condensing

**Dimensions and Weight**
- Enclosure: 1U, 19 in., rack mountable
  - Height: 44 mm (1.73 in.); 1 rack unit
  - Width: 441 mm (17.36 in.)
  - Depth: 547 mm (21.54 in.)
  - Weight: Approximately 20 lbs (9.07 kg)

**Rail Kit**
- Choice of 2-post, up-to-600 mm 4-post, or 600–900 mm 4-post

**Certification**
- Safety: FCC, CE, TUV, CB, VCCI, C-Tick, KCC, CCC, NOM, BIS, and EAC
- Environmental: WEEE and RoHS

**Support**
- Standard warranty includes 90-day software support with one-year hardware support; upgradable

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*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 account team or Infoblox Support.*
**Infoblox Product Warranty and Services**

The standard hardware warranty is for a period of one year. The system software has 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.

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### Network Interfaces Options

**TE-2205**
- Two 10/100/1000 Base-T Ethernet (LAN ports)
- One 10/100/1000 Base-T Ethernet (HA port)
- One 10/100/1000 Base-T Ethernet (MGMT port)
- NIC Card: No card, 1GE or 10GE NIC
- Transceiver: Four 1GE SFP or 1GE/10GE SFP+ interfaces*

**TE-4005**
- Two 10/100/1000 Base-T Ethernet (LAN ports)
- One 10/100/1000 Base-T Ethernet (HA port)
- One 10/100/1000 Base-T Ethernet (MGMT port)
- NIC Card: No card, 1GE or 10GE NIC
- Transceiver: Four 1GE SFP or 1GE/10GE SFP+ interfaces*

### Lights Out Management (LOM)

**TE-2205**
- One 10/100/1000 Base-T Ethernet LOM port; IPMI 2.0 compliant
- Supports IPv4

**TE-4005**
- One 10/100/1000 Base-T Ethernet LOM port; IPMI 2.0 compliant

### Serial Port

**TE-2205**
- DB-9 (9600/8n1, Xon/Xoff)

**TE-4005**
- DB-9 (9600/8n1, Xon/Xoff)

### USB Ports

**TE-2205**
- One USB 3.0/2.0 compliant (reserved for future use)

**TE-4005**
- Six USB 2.0/1.1 compliant (reserved for future use)

### LCD Panel

**TE-2205**
- NA

**TE-4005**
- NA

### AC Power Supply (SKU Option)

**TE-2205**
- Two hot-swappable AC PSUs
- Input voltage: 100-240 VAC switchable, 50-60 Hz. Output power: 600W

**TE-4005**
- Two hot-swappable PSUs
- Input: -32VDC to -72VDC; 600W

### DC Power Supply (SKU Option for Telco Use Only)

**TE-2205**
- Two hot-swappable PSUs
- Input: -32VDC to -72VDC; 600W

**TE-4005**
- Two hot-swappable PSUs
- Input: -32VDC to -72VDC; 600W

### Disk and Fans

**TE-2205**
- Six hot-swappable, redundant fans
- Four hot-swappable, redundant disks RAID-10
- System on flash

**TE-4005**
- Four or six (four for AC model, six for DC/NEBS model) hot-swappable, redundant fans
- Four hot-swappable, redundant disks RAID-10

### Chassis Ground

**TE-2205**
- Included (ground lug)

**TE-4005**
- 4-post

### Operating Temperature

**TE-2205**
- 41°F to 95°F (5°C to 35°C)
- 5% to 95% relative humidity, non-condensing

**TE-4005**
- 50°F to 95°F (10°C to 35°C)
- 10% to 90% non-condensing

### Storage Temperature

**TE-2205**
- -40°F to 122°F (-40°C to 50°C)
- 5% to 95% relative humidity, non-condensing

**TE-4005**
- -22°F to 140°F (-30°C to 60°C)
- 10% to 90% non-condensing

### Dimensions and Weight

**TE-2205**
- Enclosure: 2U, rack mountable
- Height: 88 mm (3.46 in.);
- Width: 441 mm (17.36 in.);
- Depth: 547 mm (21.54 in.);
- Weight: Approximately 29 lbs (13.15 kg)

**TE-4005**
- Enclosure: 2U, rack mountable (4-post only)
- Height: 87.5 mm (3.44 in.);
- Width: 445.5 mm (17.54 in.);
- Depth: 698.5 mm (27.5 in.);
- Weight: Approximately 61 lbs (27.66 kg)

### Rail Kit

**TE-2205**
- Choice of 2-post, up-to-600 mm 4-post, or 600–900 mm 4-post

**TE-4005**
- 4-post

### Certification

**TE-2205**
- Safety: FCC, CE, TUV, CB, VCCI, C-Tick, KCC, CCC, NOM, BIS, and EAC
- Environmental: WEEE and RoHS

**TE-4005**
- Safety: FCC, CE, TUV, CB, VCCI, C-Tick, KCC, CCC, NOM, BIS, and EAC
- Environmental: WEEE and RoHS

### Support

**TE-2205**
- Standard warranty includes 90-day software support with one-year hardware support; upgradable

**TE-4005**
- 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 account team or Infoblox Support.