

# Sapphire appliances.

Secure DNS, DHCP, IPAM (DDI) appliances.



## Convenience with advanced security.

IP address management (IPAM) services are critical for the operation of today's IP networks. Your end users rely on seamless IP address assignment with DHCP and rapid name resolution with DNS to easily utilize IP network resources and applications.

## Purpose-built for security and reliability.

Sapphire appliances provide reliability and security with the convenience of pre-packaged DHCP/DNS/IPAM (DDI) appliances. Sapphire appliances are built from the ground up for security and robustness. Our appliances offer numerous security features including a hardened operating system (OS), network interface access control lists (ACLs), minimal open ports, uninterruptible boot process, jailed file system, and rate limiting to mitigate denial of service (DOS) attacks, to name a few.

## Simple deployment with centralized management.

All Sapphire models are simple to deploy and are shipped with IPControl IPAM or DHCP and DNS services software pre-installed. Sapphire EX appliances provide centralized monitoring, services control, and patch management of distributed Sapphire appliances.

Deployed Sapphire appliances can be centrally monitored via the IPControl system dashboard and/or via a third-party SNMP manager which can be used to poll Sapphire MIBs and receive traps.

## Sapphire appliance models:

- Sapphire 20 series, available as a centralized management (EX20), DNS/DHCP (x20), or cloud automation appliance (CAA) offers dual power and RAID5 solid state hard drives.
- Sapphire 10 series, also available as a centralized management (EX10), DHCP/DNS (x10), or cloud automation appliance (CAA) offers mid-range price/performance for a wide variety of deployments.
- Sapphire 10D series offers a dual power supply platform within the Sapphire 10 family.
- Sapphire 5 series, available only for DHCP/DNS network services, offers a remote office solution with exceptional price/performance.
- Sapphire Sx20 and Sx10D are purpose-built DNSSEC authoritative servers, designed for deployment as a hidden master, automating zone signature management and key generation and rollovers.
- Sapphire virtual appliances offer robust Sapphire features.



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## Features.

Sapphire appliances help reduce your DDI costs through automation and simplification of DDI services management, monitoring and control.

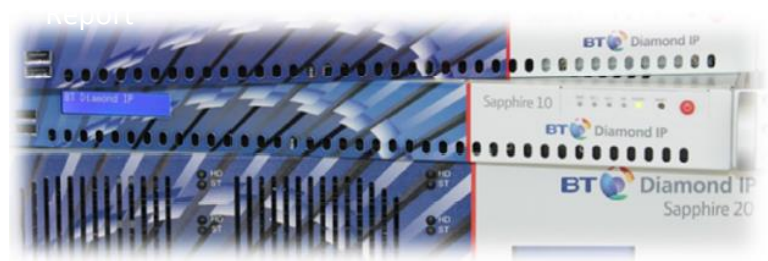
## Powerful, reliable platforms.

A variety of Sapphire hardware platforms enable a mix and match deployments for optimal price/performance:

- Virtual Sapphire appliances leverage cloud deployment and virtualization benefits including energy, real estate and shipping savings.
- Standard IPMI interface provides lights out operation on all Sapphire hardware platforms.
- Fiber interface option for Sapphire 10 and 20 platforms.
- Sapphire 20 features a hot-swappable power supply as well as hot-swappable hard drives.
- Sapphire x-series TwinMirror hardware pairs support effortless auto-synchronization and hardware redundancy.
- OS, kernel and services upgrades can be deployed from the centralized IPControl interface.
- Centralized appliance monitoring via IPControl and via third party SNMP polling and syslog forwarding.

## Simple, flexible deployment.

- Simplified procurement and deployment with one-stop integrated software and hardware or VMware installation.
- Flexible deployment options: server-based, appliance-based, virtual, and mixed.



## Scalable, resilient architecture.

- DHCP failover and multi-DNS server deployments.
- TwinMirror hardware cluster pairs for DHCP/DNS.
- Replication among Sapphire EX hardware pairs offer redundant IPAM deployments.
- DNS anycast improves security and performance.
- Operate DHCP, DHCPv6, DNS, and NTP on a single robust appliance platform.

## Streamlined manageability.

- Centralized monitoring and control via EX or IPControl appliance dashboard.
- SNMP MIBs and traps facilitate performance reporting and management integration.
- VLAN tagging support.
- Network interface port bonding.

## Unsurpassed lifecycle support.

- No three-year support expiration unlike competitive appliance offerings.
- Attractive refresh and sparing pricing available.
- Optional managed services offer proactive monitoring, troubleshooting and repair.

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### Offices worldwide

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