

Netra SPARC T3-1BA Overview

Frequently Asked Questions

Overview

Wireless and secured data networks have experienced rapid growth due to the expanding number of services, multimedia rich content and smartphone proliferation, as a result, demand for infrastructure equipment continues to grow. To help telecommunications and IT companies address the challenges of increasing capacity, Oracle has developed the Netra SPARC T3-1BA ATCA blade server, a SPARC T3 based carrier-grade blade designed for network infrastructure applications such as IP Gateways. This highest performing SPARC T3 blade can be mixed in the Sun Netra CT900 blade server with other UltraSPARC and x86 blades.

When compared with the previous generation server, Sun Netra CP3260, the Netra SPARC T3-1BA increases the compute threads and scales up the performance by over 50% while maintaining the power consumption requirements and the same thermal footprint. This reliable and scalable blade server is designed to meet today's escalating requirements of the telco and secured networks for more scalability while maintaining backwards compatibility.

Customer Benefits

Higher Scalability and Similar Power

The Netra SPARC T3-1BA can be used to upgrade any solution that uses the Netra CP3260 or its competitor equivalents, thus extending the life of many existing applications.

Beyond scalability and thermal compatibility, IO functionality is also preserved with the Netra SPARC T3-1BA ATCA blade, thereby increasing the scope of applications that this blade can support. The ability to add an AdvancedRTM gives the Netra SPARC T3-1BA unmatched IO flexibility.

With the better scalability, IO flexibility and backwards compatibility, Oracle has engineered the Netra SPARC T3-

1BA ATCA blade to provide the scalability necessary for today's processor intensive applications, while extending the life of the installed ATCA core infrastructure and applications.

Carrier-Grade Reliability

The ruggedized, NEBS Level 3 certified, Netra ATCA platform provides a high level of system reliability which helps ensure the server continues to operate under extreme environmental conditions. Taking advantage of the additional testing required by the NEBS Level 3 certification, many military applications have decided to utilize the Sun Netra ATCA platform in ships and mobile carriers.

Investment Protection

The Netra SPARC T3-1BA blade server supports the Oracle Solaris Operating Environment, taking advantage of the Oracle Solaris binary compatibility to migrate to the latest available SPARC processor. In addition, the Netra SPARC T3-1BA is pin compatible with the Netra CP3270, CP3250, CP3260 and CP3220 blades, allowing the previously purchased AdvanceRTM to be reused if appropriate.

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What is the Netra SPARC T3-1BA blade server?

The Netra SPARC T3-1BA is an ATCA single slot blade server based on the SPARC T3 processor. The SPARC T3 processor is comprised of 12 Cores 96 threads running at 1.4GHz.

How does the new Netra SPARC T3-1BA server compare with the Sun Netra CP3260 server?

The new Netra SPARC T3-1BA server delivers increased scalability with 50% more cores and threads and a 16% increase in processing speed. The Netra SPARC T3-1BA keeps the same IO and CF functionality of the CP3260.

What kind of applications is the Netra SPARC T3-1BA server best suited to run?

The Netra SPARC T3-1BA is best suited for Network Infrastructure applications such as IMS or Service Gateways.

What are the memory, storage and expansion options supported on the Netra SPARC T3-1BA blade server?

The Netra SPARC T3-1BA blade supports up to eight DDR3 memory DIMMs slots, one CF II slot, and one AdvanceRTM slot.

More information about this product and about all the Netra Carrier-Grade systems can be found at:

<http://www.oracle.com/goto/netra>

What are the operating systems that have been certified to run on the Netra SPARC T3-1BA blade server?

The Netra SPARC T3-1BA server is certified to run Oracle Solaris.

What software is pre-installed on the Netra SPARC T3-1BA blade server?

The operating system is an ordering option for the Netra SPARC T3-1BA.

What are the system management options available for the Netra SPARC T3-1 BA blade server?

The Netra SPARC T3-1BA blade server comes with a PICMG 3.0 R2 compliant manager. It is based on IPMI 1.5 and is part of the PICMG 3.0 standards requirement. Additional management software is available when the Netra SPARC T3-1BA is ordered or installed in a Sun Netra CT900.

Is there a choice in system configurations?

The Netra SPARC T3-1BA is configured by the customer. The customer determines how they would like the blade configured.

What high availability features are available in the Netra SPARC T3-1BA server?

The Netra SPARC T3-1BA is designed for five to six 9s solutions. Therefore, the blades come with a host of redundant features: base fabric, extended fabric, IMPI, and power inputs. With these redundant features built in, no single network, power or service management fault will be able to shut down the blade.

Where can I find more information about the Netra SPARC T3-1BA?

You can contact your Oracle sales representative directly or call 1-800-Oracle1. For more information about the Netra SPARC T3-1BA server on the web, go to the main Netra systems site on Oracle.com: <http://www.oracle.com/goto/netra>. For more on the Netra ATCA blade server, please go to <http://www.oracle.com/goto/atca>.



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