

## SUN COBALT RaQ XTR

HIGH-PERFORMANCE, EXTENSIBLE HOSTING APPLIANCE



WITH ITS CUTTING-EDGE DESIGN, RAQ XTR IS THE FIRST 1RU SERVER APPLIANCE TO OFFER UP TO FOUR FRONT-REMOVABLE, RAID HARD DISK DRIVES IN ADDITION TO THE SUPERIOR EASE OF USE & RELIABILITY THAT COBALT SERVERS HAVE BEEN KNOWN FOR.

*INTRODUCING THE NEW, HIGH-PERFORMANCE SERVER APPLIANCE FROM SUN COBALT. Born out of the product that revolutionized the hosting market, Cobalt server appliances are a new class of infrastructure built specifically to deliver feature-rich network based applications. The RaQ™ XTR from Sun, represents a new era for servers; easier to use, more reliable and better suited to generate a greater return on investment. Out of the box, the RaQ XTR offers a complete solution that combines hardware and integrated software that is uniquely designed toward an increased focus on networked client-server environments.*

### Complete, Turnkey Hosting Platform for Service Providers

The Sun Cobalt RaQ XTR server appliance is pre-configured with all the necessary tools and services to deploy content-rich Web sites in just minutes. With only a few simple clicks on the server's web administration interface, administrator's can securely create new internet sites that offer web, email, file transfer, and web publishing services. Each site can be configured to support a variety of dynamic content technologies including CGI scripting with perl, PHP, ASP, and server side includes. These technologies are central to the development environment of Application Service Providers and web developers. Once sites are active, comprehensive reporting software enables administrator's to generate graphical reports on the network, web, mail, and file transfer history of the server. Additionally, Sun Cobalt's custom ActiveMonitor software on the server periodically runs to monitor all systems and services and warns the administrator if there are potential problems.

- HIGH PERFORMANCE AND HIGH RELIABILITY IN A 1U DENSITY-OPTIMIZED FORM FACTOR
- FOUR HARD DISK DRIVES ACCESSIBLE THROUGH THE FRONT PANEL, OFFERING RAID LEVELS 0, 1 AND 5
- TURNKEY SERVER APPLIANCE WITH PRE-CONFIGURED SERVICES AND APPLICATIONS

The RaQ XTR also offers DNS service, management and monitoring via SNMP, bandwidth management capabilities, and support for a number of third party backup packages. To ensure the server is always running at its best, the RaQ XTR comes with BlueLinQ™ technology which keeps administrator's informed of new software and updates that become available.



**Open Access.** RaQ XTR features a unique front panel which opens to allow easy access to your Hard Disk Drives.

### Increased Performance and Expandability for Resource-Intensive Applications

Thanks to its new cutting-edge design, RaQ XTR is the world's first server appliance to offer a software-rich, services-centric design coupled with 4 front-removable Hard Disk Drives, choice of 733 or 933 MHz processor and 2 GB of Registered ECC PC133 SDRAM in a 1U density-optimized form factor. The RaQ XTR also offers a superior level of reliability by offering Redundant Array of Independent Disks (RAID) level 0, 1 and 5 - making it the ideal platform for the delivery of business-critical applications on the Net.

### Delegated Administration to Your Customers

Unique to the Sun Cobalt server appliance family is the integration of application and system functions into a unified easy-to-use interface (UI) called the Server Desktop. RaQ XTR comes pre-configured and pre-tested enabling service providers to vend applications and services to the mass market. Unlike traditional servers, RaQ XTR is an application specific product, which offers the user a new level of simplicity and economics. In less than 15 minutes of powering up the XTR, a non-technical user can have complete access to web hosting, email, ecommerce and other applications. The Server Desktop shields the administrator from technical complexities and minimizes the need for trained staff.



<p>ISP and end-user services</p>	<ul style="list-style-type: none"> <li>• <b>Cobalt Server Desktop</b> - RaQ XTR comes with an intuitive Web-based administration interface divided in 3 management levels: "System", "Site" and "User".</li> <li>• <b>Web serving</b> - Integrated support for HTTP/ 1.1, SSL Active Server Pages (ASP), PHP 4, Common Gateway Interface (CGI) and Perl scripting.</li> <li>• <b>Virtual Sites support</b> - RaQ XTR offers name-based and IP-based virtual sites. IP-based virtual sites can be limited to a pre-selected throughput rate using Cobalt Bandwidth Management.</li> <li>• <b>RAID 0, 1, and 5</b> - RaQ XTR offers support for RAID levels 0, 1 and 5, implemented through software. Each hard disk drive has its own independent master channel to allow high performance without extra RAID hardware.</li> <li>• <b>Email services</b> - Services include mail accounts for each domain, automatic vacation responses, automatic forwarding and group mailing lists. In addition to the standard mail protocols.</li> <li>• <b>Cobalt BlueLinQ™ Application Delivery Service</b> - RaQ XTR automatically informs the administrator of available system updates and patches or new applications.</li> <li>• <b>SQL Database support</b> - RaQ XTR integrates the InterBase™ open-source database and PostgreSQL.</li> <li>• <b>Development Environment</b> - RaQ XTR includes a full suite of development tools, including GNU C/C++ compiler, Java™ Development Kit, Programming languages (perl, python, tcl/tk), Text editors (emacs, vi, pico), gdb debugger, libraries &amp; X11 libraries and more.</li> </ul>							
<p>Hardware</p>	<p>733/933 MHz Intel® Pentium® III processor 256 KB Level 2 on-die cache Four memory slots supporting up to 2 GB SDRAM using 64MB to 512MB Registered ECC PC133 SDRAM DIMM modules Up to four Ultra ATA/66 7200 RPM internal hard disk drives accessible through the front panel</p>	<p>Dual 10/ 100 Base T Ethernet network interfaces Dual serial console interfaces LCD panel for easy setup and administration 64-bit/33MHz half-length PCI Slot (PCI standard short-card form factor, 6.875-inch length) Support for Uninterruptible Power Supply (UPS) Universal Serial Bus (USB) port</p>						
<p>Software</p>	<p><b>System Management:</b> Cobalt Server Desktop browser-based administration Interface for per-system, per-site and per-user management Browser-based setup wizard Cobalt BlueLinQ Application Delivery Service Online ActiveAssist™ real-time help ActiveMonitor maintenance agents Web-based performance and usage reporting 128-bit SSL for secure administration Simple Network Management Protocol (SNMP) management support Advanced management using telnet Browser-based backup and restore utility Serial port assignment of network information</p> <p><b>Software Features:</b> Linux® 2.2 multitasking operating system Apache® 1.3.12 web server, HTTP/ 1.1-compliant Virtual Hosting Services: name-based and IP-based</p> <p>Cobalt Bandwidth Management software SMTP, IMAP4, POP3, APOP email protocol support RAID 0, 1 and 5 Interbase 6 SQL and PostgreSQL Databases File transfer protocol (FTP), anonymous FTP access Telnet access Domain Name System (DNS) server 128-bit Secure Sockets Layer (SSL) FrontPage® 2000 Server Extensions NTP client support Code Development Environment Active Server Pages (ASP) support by ChilliSoft CGI, Perl and PHP 4 scripting Support for Server Side Includes (SSI) Java support for Java Run-time Environment version 1.3 from Sun Microsystems Security: PAM/ Shadow Passwords Veritas™ NetBackup, Legato Networker™ and Knox Arkeia™ backup clients</p>							
<p>Physical</p>	<p><b>Dimensions:</b> 17.50 x 22.75 x 1.75 inches (44.5 x 57.8 x 4.5 cm) (fits a standard 19"-equipment rack; 1 rack-unit height)</p> <p><b>Weight:</b> One chassis (w/out any drives or sleds): 20 lbs (9 kg) One hard disk drive and drive sled: 2 lbs (0.9 kg) Four-drive configuration: 28.0 lbs (12.7 kg) Three-drive configuration: 26.5 lbs (12.0 kg) Two-drive configuration: 25.0 lbs (11.3 kg) One-drive configuration: 23.5 lbs (10.7 kg)</p> <p><i>Note: RaQ XTR ships with empty drive sleds in the bays where there are no hard disk drives installed.</i></p>	<p><b>Power requirements:</b> Input rating 100-240V, 50/ 60Hz Typical operating power consumption: 100 watts Maximum power consumption: 130 watts</p> <p><b>Operating environment:</b> 32° to 95° F (0° to 35° C) 10% to 90% humidity (non-condensing)</p> <p><b>Non-operating environment:</b> 14° to 122° F (-10° to 50° C) 5% to 93% humidity (non-condensing)</p> <p><b>Light-emitting diodes (LEDs):</b> Power, Transmit/Receive (2), Link (2), Disk Activity (4), Web Activity</p>						
<p>Regulatory approvals</p>	<p>FCC Class A, VCCI-A, TUV (U.S. and Canada), CE (European Models), Austel</p>							
<p>Ordering information</p>	<table border="0"> <thead> <tr> <th>Part Number</th> <th>Product Configuration</th> </tr> </thead> <tbody> <tr> <td>900-RRAGL7VIU</td> <td>RAQ XTR w/Pentium III 733 MHz, 256MB SDRAM, two 30GB IDE disk, dual ethernet, &amp; PCI slot</td> </tr> <tr> <td>900-RRBHL8VIU</td> <td>RAQ XTR w/Pentium III 933 MHz, 512MB SDRAM, three 30GB IDE disk, dual ethernet, &amp; PCI slot</td> </tr> </tbody> </table>		Part Number	Product Configuration	900-RRAGL7VIU	RAQ XTR w/Pentium III 733 MHz, 256MB SDRAM, two 30GB IDE disk, dual ethernet, & PCI slot	900-RRBHL8VIU	RAQ XTR w/Pentium III 933 MHz, 512MB SDRAM, three 30GB IDE disk, dual ethernet, & PCI slot
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**About Sun Cobalt Server Appliances**

Sun Cobalt server appliances and ASP software solution enable organizations to establish an online presence easily, cost effectively and reliably. The Sun Cobalt product lines— the Cobalt Qube, Cobalt Cache, Cobalt RaQ, Cobalt NASRaQ and ChilliSoft ASP— are used by businesses, service providers and educational institutions for Internet and Web-hosting services. The Sun Cobalt solutions are delivered through a global network of distributors, value-added resellers and Internet service providers. For more information about Sun Cobalt server appliances, please visit [www.cobalt.com](http://www.cobalt.com).

**About Sun Microsystems, Inc.**

Since its inception in 1982, a singular vision - The Network Is The Computer™— has propelled Sun Microsystems, Inc. (Nasdaq: SUNW), to its position as a leading provider of industrial-strength hardware, software and services that power the Internet and allow companies worldwide to dot-com their businesses. With \$17.6 billion in annual revenues, Sun can be found in more than 170 countries and on the World Wide Web at [www.sun.com](http://www.sun.com).

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