



SUN RAY™ 1 ENTERPRISE APPLIANCE

Powered by Hot Desk technology for instant, constant, simple access to your applications.

The Sun Ray™ 1 enterprise appliance addresses organizational demands head-on, providing centralized management and instant access to your applications—from the Solaris™ Operating Environment, Java™ software and multimedia, to Windows NT and legacy applications. With applications and resources centralized on servers, the Sun Ray 1 enterprise appliance requires no desktop administration or desktop

upgrades. These systems provide constant, reliable levels of service at a low cost of ownership.

The Sun Ray 1 enterprise appliance powered by Hot Desk technology: the reliability and high-performance you would expect from the leader in network computing.

HIGHLIGHTS

- Stateless, “plug-and-work” appliance — no desktop upgrades necessary to take advantage of new applications.
- Optional smart card enables instant access to your user session from any Sun Ray 1 enterprise appliance in the workgroup.
- Enables better utilization of system resources and delivers server class performance to the desktop.
- Provides access to applications hosted across multiple platforms.
- Maintain only one copy of operating system on the server — eliminates administration at the desktop.
- Built on the reliability, availability and scalability of the Solaris Operating Environment and robustness of Sun's SPARC™ servers.
- High-speed private interconnect between server and appliances reduces number of managed network nodes and delivers quality service.

The Sun Ray™ 1 enterprise appliance

The ultimate desktop appliance — well-suited for enterprise workgroup environments including customer management solutions and call centers, education, government, financial services, and ERP. Powered by Hot Desk technology, the Sun Ray 1 enterprise appliance solution centralizes management, significantly lowers Total Cost of Ownership, and delivers access to compute services throughout the enterprise.

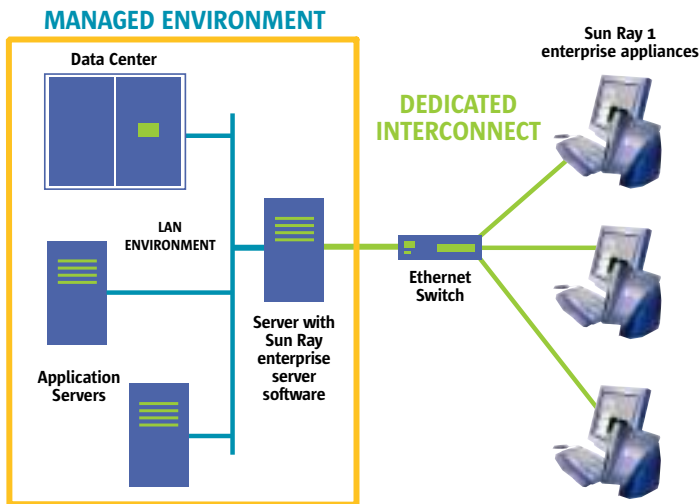
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BENEFITS FOR IT PROFESSIONALS:

- Eliminates maintenance at the desktop:
 - No operating system on the desktop
 - Stateless appliance
 - “Plug-and-work” setup or replacement
 - Reliable—four times better MTBF than PCs
 - Reduces number of managed network nodes
 - Eliminates software distribution and upgrades to the desktop
 - Eliminates need to upgrade desktop resources to take advantage of new applications
- Solaris and Java applications run without porting
- Access to browser-based applications
- Java applications run in a high-performance Solaris Operating Environment
- Allows multiple users access to their unique environment from any enterprise appliance
- Access to Windows applications using Microsoft NT 4.0 TSE and Citrix MetaFrame™
- Centralized management of only one copy of the Solaris Operating Environment system
- Efficient usage of underutilized computing resources
- Leverages Sun’s proven reliability, availability and scalability capabilities

BENEFITS FOR DESKTOP USERS:

- Enables access to workgroup from any Sun Ray 1 enterprise appliance on the server
- No need for multiple systems on the desktop
- Quiet, reliable operation—no fan or moving parts
- Small-footprint desktop
- Instant “plug-and-work” features
- Improves productivity by providing server class performance on the desktop
- Session mobility within the workgroup via smart card
- Multimedia capable



FEATURES AND FUNCTIONALITY

FEATURE:	Sun Ray 1	Windows PC	Windows Terminal	X Terminal
Multipatform access	•	•	•	•
Smart card session mobility	•			
Multimedia enabled	•	•		
Centralized administration	•		•	•
No client OS	•			
“Plug-and-work” desktop	•			

SUN RAY 1 ENTERPRISE APPLIANCE SPECIFICATIONS

SOFTWARE/HARDWARE

Sun Ray enterprise server software	Authentication manager Session manager Administration tools Requires Solaris 2.6 or Solaris 7 Operating Environment on Sun’s SPARC servers
Graphics	24-bit graphics Up to 1280 x 1024 @ 76 Hz
Peripheral interface	Four USB, powered
Networking	10/100-BaseT Requires dedicated connection between each Sun Ray 1 enterprise appliance and the server running the Sun Ray enterprise server software
Input devices	Type 6 USB keyboard Crossbow USB mouse Smart card reader
Audio	CD quality audio in/out, Microphone, headphone jacks
Video input	NTSC/PAL, RCA connector
Monitor	Industry standard HD15 connector Supports Sun’s currently shipping monitors, including 17 in., 19 in., and 21 in.
Compliance	ISO-7816-1 (smart card reader)
DIMENSIONS	
Width	102 mm (4 in.)
Depth	280 mm (11 in.)
Height	306 mm (12 in.)
Weight	1.8 kg (3.9 lb.)
REGULATIONS	Meets or exceeds the following requirements:
Safety	UL 1950, CSA 950, EN60950, CB-Scheme to IEC 950 with Nordic Deviations (EMKO-TSE (74-SEC) 203)
Ergonomics	ISO 9241-3, ISO 9241.8
EMI	FCC Class B, IC Class B, VCCI Class B EN 55022 Class B, EN 50082-1
Power Management	Energy Star compliant
ENVIRONMENT	
Operating	0° C to 40° C (32° F to 104° F), 10% to 93%RH, 3 km (10 kft)
Nonoperating	-20° C to 60° C (-4° F to 140° F), to 93%RH, 12 km (39 kft)
AC power	100-240 VAC autoranging power supply
ACOUSTIC EMISSIONS	<3.5B, <28dBA (operator), ISO 9296
RELATED SOFTWARE	Solaris Resource Manager™ Sun Enterprise SyMON™

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