

Sun Ray™ 2

Virtual Display Client



Highlights

Affordable

- Manage thousands of desktops with just a few system administrators
- Virtually eliminate costs associated with client virus attacks

Secure

- Centralize data and applications so that they can be:
 - Easily backed up
 - Made redundant
 - Secured against theft and attacks
- Protect intellectual property by eliminating insecure PC storage or removable media

Mobile

- Pick up right where you left off as you hot desk from location to location — from office to conference room to home

Flexible

- Display a Windows, Linux, or Solaris™ OS desktop



Sun Ray™ virtual display clients provide customers with an interoperable desktop computing solution that reduces the maintenance, upgrade, and operational costs associated with most desktop environments. The Sun Ray 2 virtual display client is particularly well-suited for cost-sensitive environments such as call centers, education, healthcare, service providers, and finance.

Sun Ray Overview

Zero-administration Sun Ray virtual display clients enable access to applications on virtually any platform — the Solaris™ Operating System, Java™ technology, Linux, UNIX® OS, Microsoft Windows, AS/400, and mainframes. Sun Ray clients differ from complex PCs and thin clients with embedded operating systems because Sun Ray clients have no local operating system — such as Windows XP Embedded or Windows CE — to manage and administer.

The Sun Ray architecture consists of two types of components: Sun Ray virtual display clients and Sun Ray Software.

Sun Ray clients are simple, low-cost, low-power devices that require no desktop administration. Unlike complex Microsoft Windows or embedded Linux-based thin clients and

PCs, Sun Ray clients do not need to be upgraded when new applications are introduced or more computing power is required. Users can access their sessions from any Sun Ray client on a local area network (LAN) or wide area network (WAN). And with a smart card, access is even easier. Users simply insert their smart card into any available Sun Ray client and they have immediate access to their existing session.

Sun Ray Software provides user authentication and encryption between the server and clients, as well as user session management. It not only enhances security, it also helps reduce the complexity and administration of the IT environment. Sun Ray Software provides automatic load balancing, optimizing performance by distributing sessions across the servers in the group. Load balancing takes into account each server's load and capacity — the number

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and speed of its CPUs — so that larger or less heavily loaded servers bear more of the load. Sun Ray Software enables Sun Ray clients to connect to both LANs or a WANs.

Sun Ray 2

The Sun Ray 2 virtual display client is half the size and consumes half the power of its predecessor. This small-footprint device is packed with all of the traditional Sun Ray features and is offered at a low price point. The typical power consumption of a Sun Ray 2 client is an astonishing 4 watts. This is only 25% the power consumption of most traditional thin clients — and a mere 5% of the power consumption of a typical PC.

The Sun Ray 2 virtual display client supports resolutions up to 1600x1200 at 24-bit color. It ships without a monitor and is compatible with Sun's monitors as well as standard Video Graphics Array (VGA) or Digital Video Interface (DVI) third-party monitors, enabling organizations to leverage IT investments.

System Specifications

Hardware

- Graphics: 24-bit graphics; up to 1600x1200 resolution @ 60 Hz
- Peripheral interface: Two 1.1 Universal Serial Bus (USB) ports, powered; one serial port
- Networking: 10/100Base-T
- Input devices: USB keyboard; USB mouse; smart card reader

- Audio: CD-quality audio in/out; microphone; headphone jacks; stereo line level in
- CPU: RMI Alchemy Au1550
- Monitor: Industry-standard DVI connector supports third-party and Sun monitors (includes a HD15 adapter); standard VGA compatible monitors
- Smart card: ISO-7816-1 (smart card reader)
- Adjustments: N/A

Dimensions

Unit without the stand

- Width: 28 mm (1.09 in.)
- Depth: 122 mm (4.80 in.)
- Height: 205 mm (8.07 in.)
- Weight: 0.37 kg (0.82 lb.)

Stand Dimensions

- Width: 95 mm (3.76 in.)
- Depth: 215 mm (8.46 in.)
- Height: 13 mm (0.51 in.)
- Weight: 0.63 kg (1.39 lb.)

Warranty

Three-year limited warranty

Regulations (meets or exceeds the following requirements)

- Safety: UL 60950/CSA C22.2-60950
- Ergonomics: GS Mark
- EMC: CISPR22; CISPR24; EN55022 Class B; FCC CFR Title 47, Part 15, Subpart B, Class B; EN55024:1998; IEC6100-3-2; IEC6100-3-3
- Power management: Environmental Protection Agency (EPA) ENERGY STAR compliant
- RoHS-6 compliant

Learn More

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Environment

- Operating: 0° C to 35° C (32° F to 95° F), 10% to 93% RH, 3 km (10K ft.)
- Nonoperating: -20° C to 60° C (-4° F to 140° F), 10% to 93% RH, 12 km (39K ft.)

Power

- External autosensing power supply, 100 to 240 VAC, 50/60 Hz; average power consumption of a Sun Ray 2 client with one keyboard, one mouse, and one monitor connected is 3.9 watt hours

Acoustic

- <3.5 B, <28 dBA (operator), ISO 9296

About Sun

A singular vision, The Network is the Computer™, drives Sun in delivering industry-leading technologies that focus on the whole system — where computers, software, storage, and services combine. With a proven history of sharing, building communities, and innovation, Sun solutions create opportunities, both social and economic, around the world. You can learn more about Sun at sun.com.