SUNDE

VDI zero client for a
true local-desktop
user experience

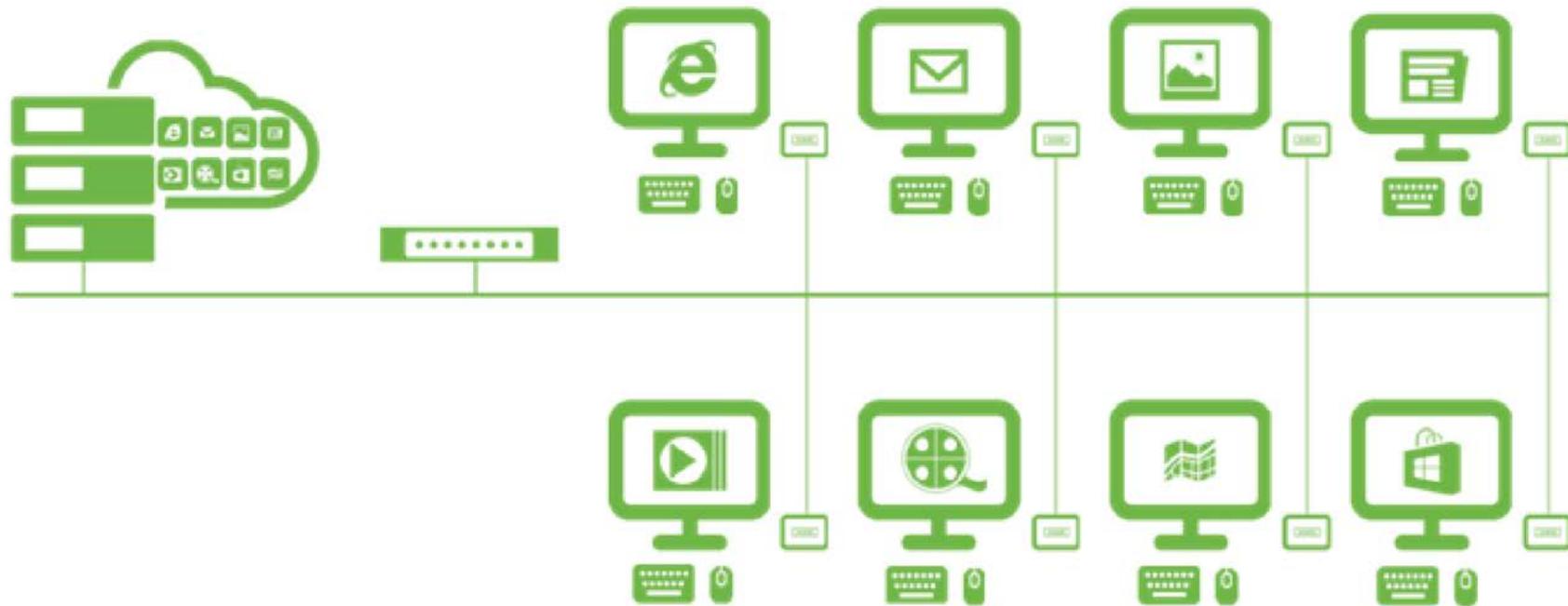Features | Technical | Configuration | Contact

SUNDE VDI solution is a server based computing model which leverages the best features of a networking system.

The IT administrator at the server side creates multiple virtual computers and assigns them to terminal users through the running of vPoint software.

By connecting Ethernet, monitor, keyboard, mouse and other optional audio and USB peripherals to a Diana zero client, users can remotely run virtual computers that reside on the server.

SUNDE Diana is a zero client which has no extra software, drivers, operating systems, CPU, power supply or storage but only contains the necessary hardware to initialize a conversation with the network, begin network protocol processes, and display server output.

It centralizes all software, processing and management to just what is running on the server, leaving little more than a keyboard and monitor at the user's desk.

Introduction   Technical   Configuration   Contact

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- Reduces computing costs
- Enhances network security
- Improves user efficiency
- Increases IT productivity
- Protects office environment

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Reduces computing costs

- The initial hardware purchase costs are saved by replacing with lower cost zero clients.

- Higher utilization rates with centralized hardware upgrades and software licensing can be achieved.

- SUNDE zero clients use less electricity, ranging from 0.2-5 watts and produce much less heat. Users can save a great amount of money in electricity costs for power consumption and air conditioning.

- As SUNDE zero clients last as longer as 8-10 years compared to 4-5 years for a traditional desktop and 5-7 years for a thin client. This can save both on purchase cost and replacement parts but also on warranty fees, user downtime and IT staff productivity.

Enhances network security

- With no OS or even a processor capable of running software, SUNDE zero clients provide complete secure endpoint that is immune to viruses and malware.

- There is no local storage device. Data loss stemming from both hardware failures and from the loss or theft of PCs and laptops can be eliminated.

- Snapshot technology enables the system to be refreshed to a favorable state of an early date in the event of a desktop corruption or mistaken operation.

Improves user efficiency

- A common shared space can be created on the server for users to store and share files without the need to copy or transfer between desktops.

- The maintenance free feature of SUNDE zero clients reduces unplanned downtime. Even when turned faulty, a zero client can be replaced, getting the system up and running in just a few seconds.

- The endpoint's connection to the virtual computers can be suspended at any location and then immediately resumed from any other endpoint without any interruption of applications or open files– such as when moving from the office to the co- nference room – users can quickly access and resume work at any location.

Increases IT productivity

- The administrator can use templates to speed the deployment and enforcement of standard desktop configurations and policies. A new workstation can be set up in less than 15 minutes compared to hours or days for a traditional workstation One support technician can handle 5 times as many users compared to PC users.

- Allow the administrator at anytime to tailor virtual desktops for use by users or in process control flexible desktop provisioning. Each desktop virtual machine can be customized with specific settings, productivity applications.

- Helpdesk IT technicians can perform tasks from within the server center, eliminating the need to travel to the user's location trouble-shooting. Problem resolution will be quicker as everything is located within the data centre.

- Centralized virtual desktops can easily and quickly be monitored, backed up and recovered, and patched or upgraded.

- SUNDE zero clients generate much less heat and e-waste when compared to PC desktops.
- Without any storage and fan, SUNDE zero clients make no noise on running.

- The zero clients are very small in size and can be mounted on the back of the monitor to save valuable space on the desktop.

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MIC & Speaker
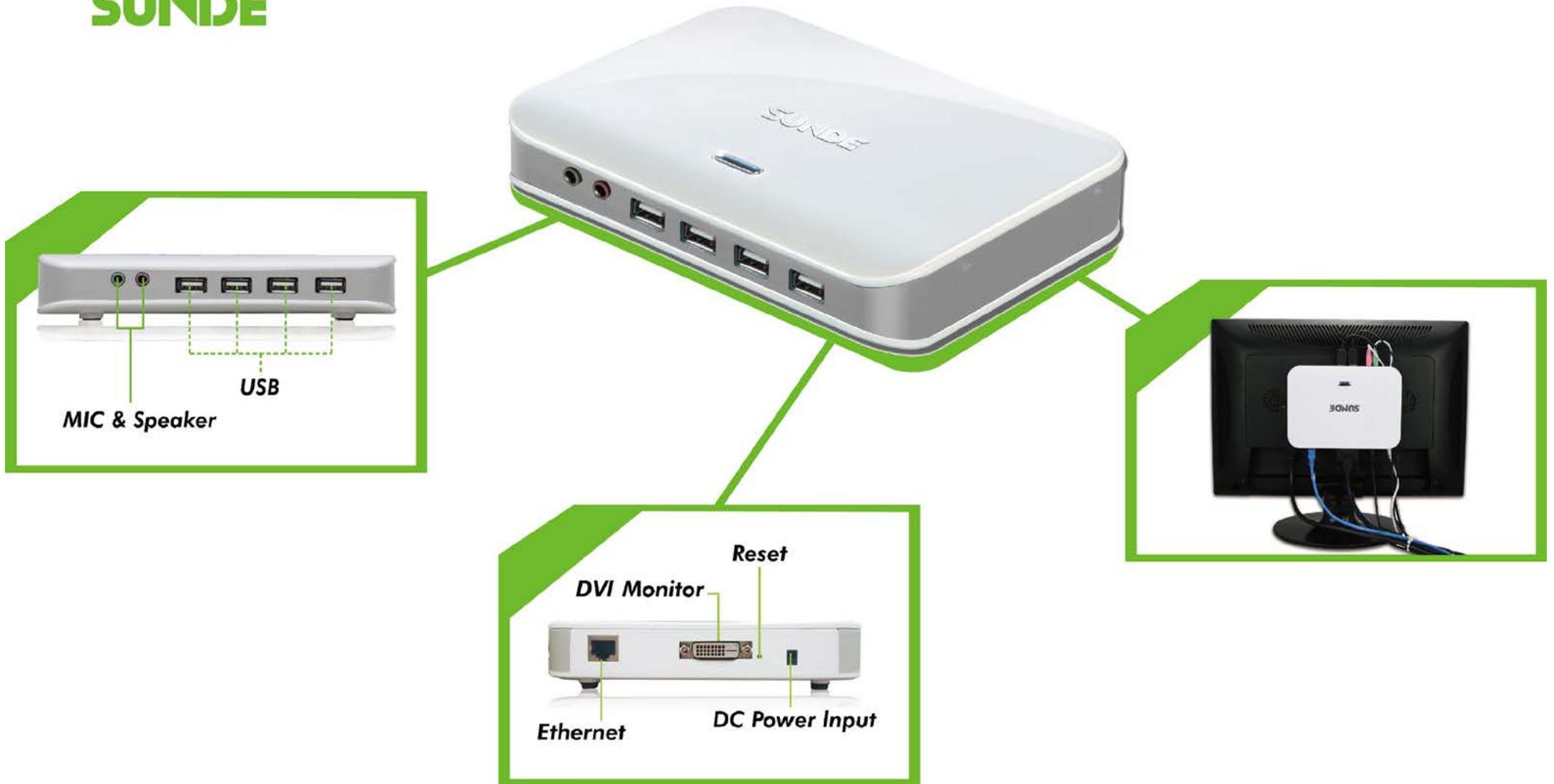
USB

DVI Monitor

Reset

Ethernet

DC Power Input

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Power supply	Input AC110V ~ AC240V 50/60 Hz, output DC 5V/ 2A	
Power consumption	0.2-5W	
Connections	*Front Panel*	*Rear Panel*
	4× USB 2.0 ports, 1× Power LED/switch, 1× microphone jack, 1× speaker jack	1× 5V DC in, 1× DVI monitor, 1× RJ45 Ethernet, 1× reset key
LED indicators	Power, network link, and network activity	
Display resolutions	*Normal display*	*Wide screen*
	1024*768, and 1280*1024	1280*720, 1280*800, 1366*768, 1440*900 and 1600*900
Networking	10/100 Mbps Switched Ethernet	
Audio	16 bit stereo audio input / output via 3.5mm stereo jacks	
Color Depth	24 bit	
Multimedia Support	Powered by SUNDE-VDI protocol; Supporting seamless dynamic flash/video content with synchronized audio that are embedded into web pages or played through stand-alone media player applications; Supporting high definition streaming media in any format and played at full frame rates.	
Application Support	Delivering the entire virtual machine rather than a session; supporting all x86 applications as in PCs.	

Supported USB Peripherals	Keyboard, mouse, memory device, webcam, printer, scanner, U key, and USB converters, etc.
Supported Operating System	Host: Microsoft Windows Server 2008 R2 or 2012, Microsoft Windows 7 or 8 64 bits.
	Virtual Machine: Microsoft Windows and Linux.
Max. No. of users per OS	Unlimited for concurrent connection or running of graphics-intensive applications; Maximum user number depends on the host configuration.
Internal Hardware	All solid- state design. No moving parts, no fans, no local user storage. Kernel and firmware are updatable.
WI-FI Option	802.11b/g/n; WI-FI Module is optional for additional cost.
Software	SUNDE vPoint
Size (L*W*H)	180mm*130mm*32mm/ 7.1 inches*5.1 inches*1.3 inches; shipping size: 265mm*195mm*45mm/ 10.4 inches*7.7 inches*1.8 inches
Weight	154g/ 0.34lbs, shipping weight : 0.7kg/ 1.55lbs
Kit contents	Each Diana kit includes an access device and a power supply. SUNDE vPoint software, installation & user guide can be downloaded at sunden.com; VESA-compliant monitor mounting bracket is optional for an additional cost. PC, monitor, keyboard, mouse, speakers, microphone, and other peripherals are NOT included and must be purchased separately.

his page only provides a quick host configuration guide.

To better determine the system requirements for various numbers of Diana users, please view the installation documents at *www.sundenc.com*

CPU	Memory
3-5 active users per core for general office use with occasional low quality video playback. 1-2 active users per core for heavy workload running graphics-intensive applications.	2GB for host + 1GB (Windows XP) - 2GB for (Windows 7 & 8) for general office use or 2GB (Windows XP) - 3GB for (Windows 7 & 8) for heavy workload running graphics-intensive applications.

Storage	Software
SSD (for VM OS) + HDD (for User Data), or SAS drives in RAID5 configuration. Storage for user data to be determined by actual usage.	Host: Windows Server 2008 R2/ 2012/ 7-64 bits/ 8-64 bits, vPoint Server VMs: Windows/ Linux, vPoint Guest

License	Microsoft VDA license per device, host & VM OS license by actual usage

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About SUNDE

SUNDE is a global leader of zero client computing solutions to help organizations reduce desktop computing costs while increasing productivity.

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