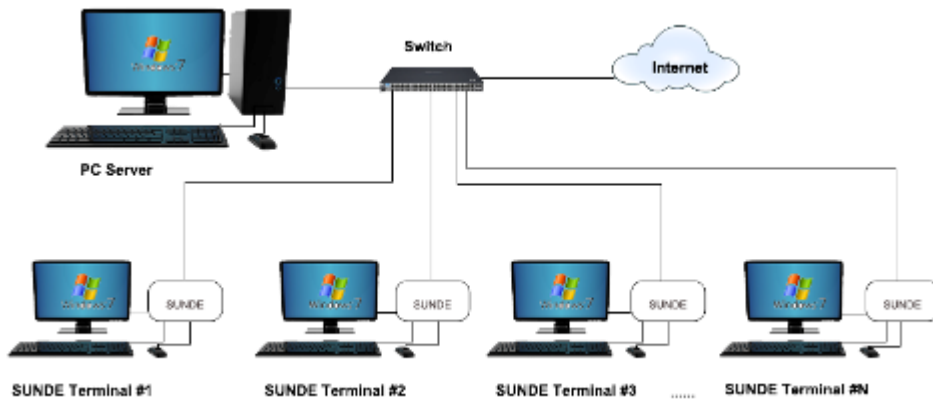


SUNDE Zero Client Benefit

- **Low Cost**
 - Slash hardware costs by 75% with one PC/server shared by multiple users.
 - Achieve higher utilization rates with centralized hardware upgrades and software licensing.
 - Reduce power consumption with 5 watts per user.
- **Easy Management**
 - Increase productivity of IT staff to support more users and workstations.
 - Minimize unplanned downtime for workstations with centralized control over desktop recovery, patching and updates.
 - Free IT staff from travel for trouble-shooting workstations with remote control at the server end.
- **High Reliability**
 - Strong security management, monitoring and control over clients and network transmissions ensure compliance with data security and records retention policies.
 - With no OS or even a processor capable of running software, provide complete secure endpoint that is immune to viruses and malware.
 - Low maintenance and long life span of 10 years.
- **Large Flexibility**
 - Small portable size, free up valuable workspace at the desktop.
 - Great productivity from anywhere, anytime access to the virtual desktop, no matter if the user is in the office or at a remote site.
 - With every login to the virtual desktop, 1680*1050;. Reduce downtime from shorter turn-around of break-fix or lengthy reboot and resume cycles with provision of new desktop.



Device: H4 (wifi) Zero Client

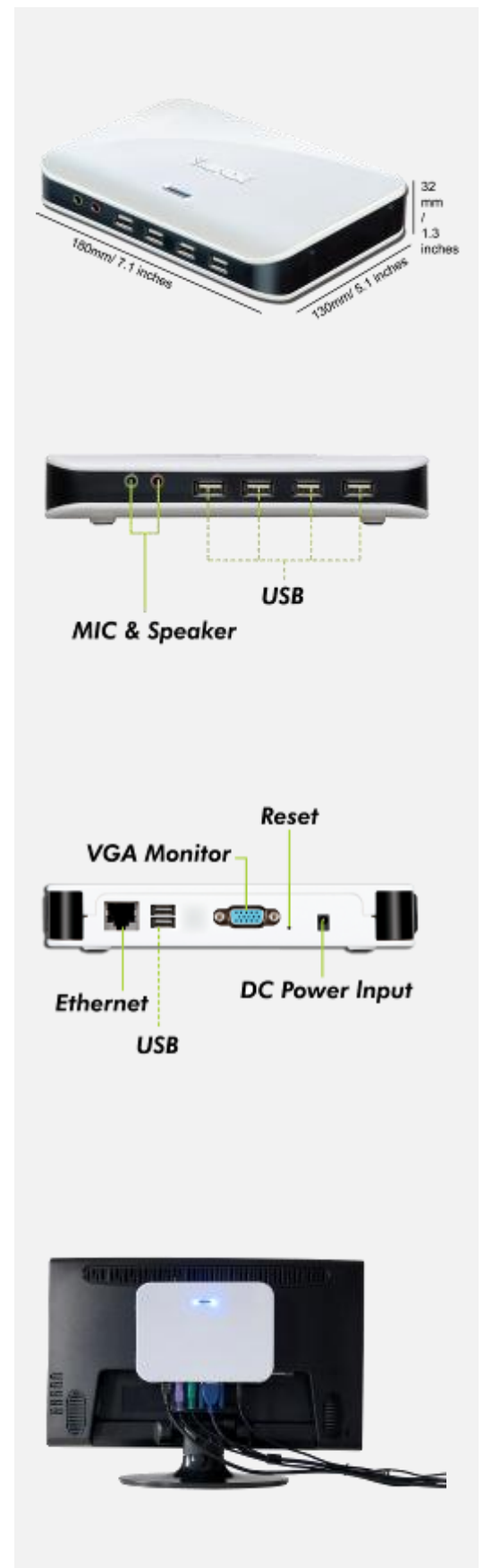
SUNDE H4 zero client, is a multi user networking access device, which effectively allows up to 40 different users to independently and simultaneously share untapped resources of a single host computer/ server whilst still providing them with a full PC experience. SUNDE H4 device is called Zero Client, this is because there are no breakable moving parts. There is no CPU, no memory and no hard drive. They are simple, secure, reliable and durable.

Software: NetPoint Server

SUNDE NetPoint Server is a software provided free of charge. It works on the PC /Server and enables a standard PC/server to be extended to 20/40 working stations by providing multiple end users with simultaneous access session under RDP protocol to a single operation system instance of either Windows or Linux. It provides a simple unified management console, allowing you to set up, configure, monitor and manage access devices.

Feature	Function	Benefit
Zero Management	All users Share one single OS; Applications can be assigned for users.	Once deployed, there are no applications, drivers to manage on the device. All maintenances are only done on the server end.
Lower Requirements	Every user is not appointed certain computing capacity but use a small fraction and the server automatically enlarges if needed, achieve high utilization of the PC/server.	Lower requirements on the PC/server; enable a standard PC to be shared by more users.
Great Productivity	Rather than local storage, all users store data in the same data center at the server. Resources on the server can be shared by users with rights.	Improve office productivity by never needing to copy data from one desktop to another.
High Availability Login	Administrator may define a failover group list of hosts to which devices may automatically connect.	Each user can be assured a login within seconds, even in the event of a host failure, without complex central management servers and agents.

Power supply	input AC110V ~ AC240V 50/60 Hz, output DC 5V/ 2A	
Power consumption	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× VGA monitor, 1× RJ45 Ethernet, 2× USB 2.0 ports, 1× reset key
LED indicators	power, network link, and network activity	
Display resolutions	Normal display	Wide screen
	800*600, 1024*768; 1280*1024, and 1600*1200	1366*768, 1440*900, 1680*1050, 1920*1080, and 1920*1200
Networking	10/100/1000 Mbps Switched Ethernet	
Audio	16 bit stereo audio input / output via 3.5mm stereo jacks	
Internal Hardware	all solid- state design. No moving parts, no fans, no local user storage. Kernel and firmware are updatable	
Multimedia Support	does not support video-play	
Color Depth	16 or 24 bit	
Screen Orientation	horizontal & vertical display for outdoor advertising permitted by SUNDE NetPoint Server	
Supported USB Peripherals	mouse/keyboard, wireless mouse/keyboard, memory devices, printer, scanner, barcode scanner, USB to parallel/ serial converter, etc	
Supported Host Operating System	32bit OS: Windows 7 Pro (Enterprise, Ultimate)/ Windows XP Pro/ Windows 2008 Server/Windows Server 2003 (Standard Edition, Enterprise Edition) 64bit OS: Windows 7 / Windows Server 2008 R2/ Multipoint Server 2011 Linux: Ubuntu/ Red Hat/ Suse/ Fedora, etc	
WI-FI Option	802.11b/g/n (factory install); WI-FI Module is optional for additional cost.	
Supported Cloud Computing platforms	directly access Amazon Elastic Compute Cloud (EC2), Microsoft Cloud Platform (MS-RDSH) and Jiesai Cloud Platform	
Max. No. of users per OS	NetPoint Server permits up to 40 users in shared Windows Server 2003 and 20 users in other Windows and Linux OS	
PC configuration	see recommended hardware configuration guide at sunden.com/support/	
Software	SUNDE NetPoint Server Software with RDP protocol	
Reliability (MTBF)	>100,000 hours (calculated using Bellcore Issue 6 TR-332, Case 2, Part I at 40 °C)	
Certifications	FCC class B, CE	
Environmental	0-40 degrees Celsius; 10-85% relative humidity (non-condensing); No moving parts permits use in high dust/ particulate/ vibration environments	
Size (L*W*H)	180mm*130mm*32mm/ 7.1 inches*5.1 inches*1.3 inches; shipping size (includes power adapter, documentation, packaging, etc): 265mm*195mm*45mm/ 10.4 inches*7.7 inches*1.8 inches	
Weight	154g/ 0.34lbs, shipping weight (includes power adapter, documentation, packaging, etc): 0.68kg/ 1.5lbs	
Kit contents	each H4 kit includes an access device, power supply, quick install guide. SUNDE NetPoint Server software and installation & user guide can be downloaded at sunden.com/support/ ; 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	



Lowest TCO
Maintenance Free
More Stable
24 bit Color Depth
Higher Resolution
Excellent Audio
Quieter
Greener
64 bit OS
More Durable
Better Compatibility

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 Specifications subject to change without notice. Performance may vary, depending on the server-based infrastructure.