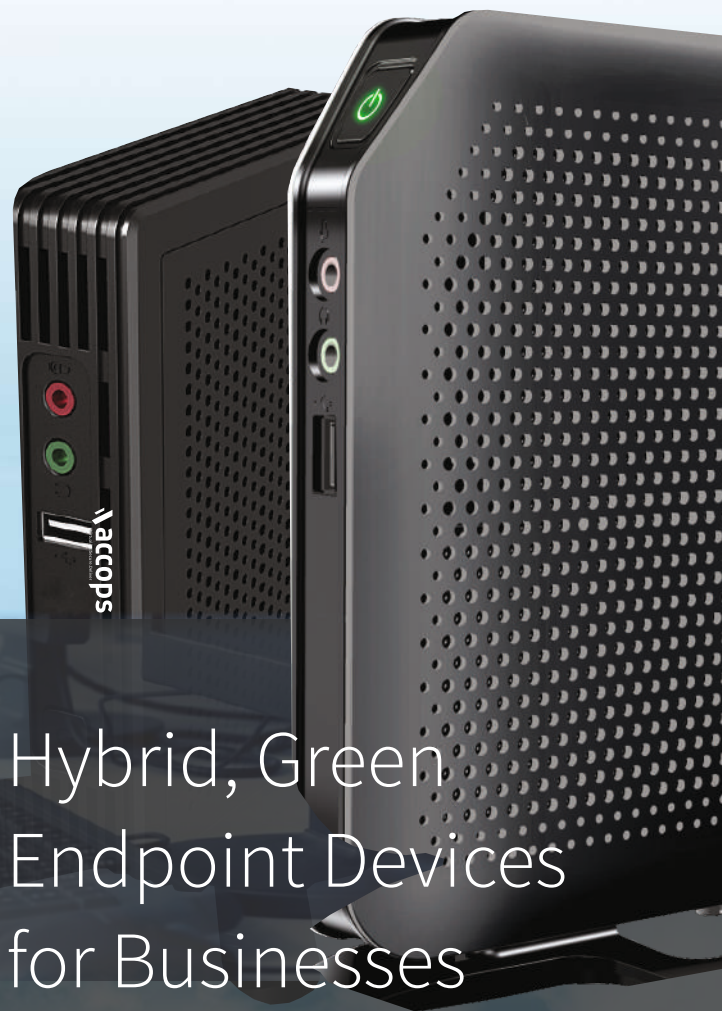




## Zero Client and Thin Client Devices



## Hybrid, Green Endpoint Devices for Businesses

Accops HyDesk are hybrid, green endpoint devices for use in corporate environment for replacing legacy PC based computing with centralized server side or web based computing. Organizations get benefits of simpler management of desktop computing resources, secure computing and reducing carbon footprint by replacing full PC with Accops HyDesk devices. HyDesk devices are centrally managed, secure endpoints and high performance devices, enabling IT to stream, control and audit business applications and desktop environment from datacenter.

Accops HyDesk device family has variety of devices ranging from low cost, zero clients to high customizable thin PC models for power users. The HyDesk devices are VDI optimized as well as provide options for offline computing to support different use cases of different users within an organization.

HyDesk devices are standard based devices, with optimum hardware capabilities, necessary hardware certifications ensuring organizations can continue to enjoy benefits for at least 7 years.

## KEY FEATURES

### Hybrid Configuration

HyDesk devices support zero configuration kiosk mode for VDI use and full desktop mode for local computing. The benefit is that a single device model can adapt to different needs of the organization at different times and organization is not locked into a specific use case.

### Kiosk Mode Configuration for Virtual Application & Desktop

When configured in Kiosk Mode, the device works as a zero client, presenting a simple use interface for end users to automatically connect them to their virtual desktop or connect to hosted applications. The simpler user interface enables faster user adaption as the user does not need specific training, as the user continues to get the Microsoft Windows user experience immediately after device has started.



### Desktop Mode for Local Computing

The HyDesk devices run a secure, locked down HyDesk OS which has support for basic productivity applications like browser, Libre Office as open source office, media player, etc. When allowed, end users can access these applications from desktop mode based on the use case.

HyDesk devices can also run Microsoft Windows Embedded operating systems. With Windows Embedded, users can get a rich desktop experience on HyDesk devices, while avoiding the typical issues and high power consumption associated with PCs.

### Optimized for VDI Environment

HyDesk devices are optimized for deliver high performance experience to end users. The devices supports smooth graphics, multi-media, audio and video in virtual desktop computing environment, required to match the performance of traditional PC based computing. The hardware configuration and software configuration are optimized for VDI scenarios to reduce the TCO of endpoint device and maximize the ROI for the organization in deploying virtual workspace computing.



## Hyper Smart Devices

Enabled with Accops HyWorks Client technology, the device auto-configures itself and detects the required network resources automatically. It just requires a tap on the power on button for the end users to get connected to their virtual desktop. In case of network failures or controller or virtual desktop going into offline mode, the device can find alternate network and controller and get the user reconnected. In case of controller not available, the device continues to provide a seamless experience without affecting the user session. The resiliency enables IT team to do maintenance work in real time without effecting the users or getting any down time. The device detects when not in use and saves power by turning OFF itself.

## Centralized Management

Administrators can operate, manage and audit HyDesk devices from a centralized console and do not need to be present locally. Administrators can change device parameters like display settings, audio settings, keyboard layout, USB redirection, user controls, session experience and more from the HyWorks management console. Administrator and Helpdesk can monitor device activity, session, idle activity and power management. Enabled with Accops HyAssist technology, administrators can take remote control of the device from centralized console, irrespective of the device location, across NAT devices, proxies, WAN and Internet

## Universal VDI

HyDesk devices are not bound to a specific type of virtual computing environment. End users can get session based desktop from Microsoft RDS Server or Linux Terminal Server or dedicated virtual desktop from VMware or Hyper-V environment. Users can connect any type of USB device and it is made available in the remote session. USB devices are not limited to any specific vendor or category instead end users can plug any type of USB printer, scanner, biometric devices, engineering devices, etc. HyDesk devices have full support of audio-in and audio-out along with full HD videos.

## Models

Accops HyDesk family has variety of models to serve different computing needs. All the devices are VDI capable. Most of the devices support some kind of local computing as well. Customers can choose the right device model based on their computing needs and price points. support of audio-in and audio-out along with full HD videos.

	HY2000	HY4000	HY5000
VDI	★★★★★	★★★★★	★★★★★
Local Computing	★	★★★★★	★★★★★
Energy Savings	★★★★★	★★★★★	★★★
Configuration	★★	★★★★★	★★★★★
Cost	★★★★★	★★★	★★
Use Case	VDI	VDI, Power User	Thin PC

	Accops OS				Windows OS		
Model Number	HY2000	Hy4000	Hy4400	HY5000	HY4020	HY4420	Hy5020
USER EXPERIENCE							
Device Type	Hybrid	Hybrid Device	Hybrid Device	Hybrid Device	Hybrid Device	Hybrid Device	Hybrid Device
VDI Optimized	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Support for Local Computing	Local Browser	Local Browser, Softphone, Libreoffice	Local Browser, Softphone, Libreoffice	Local Browser, Softphone, Libreoffice	Custom applications	Custom applications	Custom applications
Resolution Support	1920x1200 @60Hz	DVI-I up to 1920x1200 @60Hz DisplayPort up to 2560x1600 @60Hz	DVI-I up to 1920x1200 @60Hz DisplayPort up to 2560x1600 @60Hz	DVI up to 1920x1200 @60Hz VGA up to 2560x1600 @60Hz	DVI-I up to 1920x1200 @60Hz DisplayPort up to 2560x1600 @60Hz	DVI-I up to 1920x1200 @60Hz DisplayPort up to 2560x1600 @60Hz	DVI up to 1920x1200 @60Hz VGA up to 2560x1600 @60Hz
Full Dual Monitor Support, Extended, Spanning	Yes, using Y cable	Yes	Yes	Yes	Yes	Yes	Yes
Dual Monitor Extended Vertical Alignment	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Single-touch Touchscreen Support	No	Yes	Yes	Yes	Yes	Yes	Yes
Multi-touch Touchscreen Support	No	Limited	Limited	Limited	Yes	Yes	Yes
Kiosk Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Local Browser	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Auto-login	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Full USB Redirection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Auto-Power On	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wake-on-LAN	No	Yes	Yes	Yes	Yes	Yes	Yes

	Accops OS				Windows OS		
Model Number	HY2000	HY4000	HY4400	Hy5000	HY4020	HY4420	HY5020
Hardware Platform							
Processor	Dual Core ARM Cortex A9 1.5 GHz	Intel Celeron J1900 Dual-Core 2.00 GHz SoC	Intel Celeron J1900 Quad-Core 2.00 GHz SoC	Intel SoC Dual Core 2.4 Ghz (Quad core: 5420)	Intel Celeron J1900 Dual-Core 2.00 GHz SoC	Intel Celeron J1900 Quad-Core 2.00 GHz SoC	Intel SoC Dual Core 2.4 Ghz (Quad core: 5420)
RAM	1 GB	2GB DDR3L (up to 8GB optional)	2GB DDR3L (up to 8GB optional)	1GB DDR3L (up to 4GB optional)	2GB DDR3L (up to 8GB optional)	2GB DDR3L (up to 8GB optional)	2GB DDR3L (up to 8GB optional)
FLASH/DOM	8 GB	8GB (up to 128 GB)	8GB (up to 128 GB)	8GB (upto 128 GB DOM or hard disk optional)	16GB (up to 128 GB)	16GB (up to 128 GB)	8GB (up to 128 GB SSD, or hard disk optional)
Soc for Hardware Acceleration	Yes	No	No	No	No	No	No
Count of Display Ports	1	2	2	2	2	2	2
Display Port	DVI-I x 1 (DVI-to-VGA adapter included)	DVI-I x 1 (DVI-to-VGA adapter included) , DP x 1	DVI-I x 1 (DVI-to-VGA adapter included) , DP x 1	DVI-I x 1 (DVI-to-VGA adapter included)	DVI-I x 1 (DVI-to-VGA adapter included) , DP x 1	DVI-I x 1 (DVI-to-VGA adapter included) , DP x 1	DVI-I x 1 (DVI-to-VGA adapter included)
Total No. of USB Ports	5	6 ( 5 with WiFi )	6 ( 5 with WiFi )	6	6 ( 5 with WiFi )	6 ( 5 with WiFi )	6
USB 3.0 Ports	0	1	1	1	1	1	1
Serial Port	No	No	No	upto 4	No	No	upto 4
Parallel Port	No	No	No	1	No	No	1
Mic & Head Phone Port	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WI-FI	Model Hy2000w	Model Hy4000w	Model Hy4400w	Model Hy5000w	Model Hy4020w	Model Hy4420w	Model Hy5020w
Slot for Security Lock	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LAN	x 1 (10/100/1000 Base-T Fast Ethernet, RJ-45)	x 1 (10/100/1000 Base-T Fast Ethernet, RJ-45)	x 1 (10/100/1000 Base-T Fast Ethernet, RJ-45)	x1 (10/100/1000 Base-T Fast Ethernet, RJ-45)	x 1 (10/100/1000 Base-T Fast Ethernet, RJ-45)	x 1 (10/100/1000 Base-T Fast Ethernet, RJ-45)	x1 (10/100/1000 Base-T Fast Ethernet, RJ-45)
WLAN	Optional built-in USB 802.11 b/g/n wireless	Optional Mini PCI-E wireless (only 4 USB2.0 ports at the rear in such case )	Optional Mini PCI-E wireless (only 4 USB2.0 ports at the rear in such case )	-	Optional Mini PCI-E wireless (only 4 USB2.0 ports at the rear in such case )	Optional Mini PCI-E wireless (only 4 USB2.0 ports at the rear in such case )	-
Software Platform							
OS	HyDesk Embedded Linux	HyDesk Embedded Linux	HyDesk Embedded Linux	HyDesk Embedded Linux	WES 7, WES 8, WES 10	WES 7, WES 8, WES 10	WES 7, WES 8, WES 10
Management	HyWorks, Optional CCCM	HyWorks, Optional CCCM	HyWorks, Optional CCCM	HyWorks, Optional CCCM	HyWorks, Optional CCCM	HyWorks, Optional CCCM	HyWorks, Optional CCCM
VDI Support	AccopsHyWorks,Citrix XenApp,XenDesktop, VMWareHorizon View	AccopsHyWorks,Citrix XenApp,XenDesktop, VMWareHorizon View	AccopsHyWorks,Citrix XenApp,XenDesktop, VMWareHorizon View	AccopsHyWorks,Citrix XenApp,XenDesktop, VMWareHorizon View	AccopsHyWorks,Citrix XenApp,XenDesktop, VMWareHorizon View	AccopsHyWorks,Citrix XenApp,XenDesktop, VMWareHorizon View	AccopsHyWorks,Citrix XenApp,XenDesktop, VMWareHorizon View
Protocol Support							
Microsoft RDP 8.1, 8.0 & 7.1	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Citrix ICA Receiver, HDX	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VMWareHorizon View, PCoIP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Environment Support							
Power Requirement	Kioskmode5W,full loadmode7W	Less than 14W	Less than 14W	Less than 14W	Less than 14W	Less than 14W	Less than 14W
Humidity Support	30% to 90% non-condensing	30% to 90% non-condensing	30% to 90% non-condensing	30% to 90% non-condensing	30% to 90% non-condensing	30% to 90% non-condensing	30% to 90% non-condensing
Temperature Support	50° to 104° F (0° to 40° C)	50° to 104° F (0° to 40° C)	50° to 104° F (0° to 40° C)	50° to 104° F (0° to 40° C)	50° to 104° F (0° to 40° C)	50° to 104° F (0° to 40° C)	50° to 104° F (0° to 40° C)
Weight	0.44kg	0.55kg	0.55kg	1.2kg	0.55kg	0.55kg	1.2kg
Form Factor/Dimensions	156 x 37 x 130 mm	131x31.5x167mm	131 x 31.5 x 167 mm	206 x 83 x 223 mm	131x31.5x167mm	131x31.5x167mm	206 x 83 x 223 mm
Vesa Mount	Yes	Yes	Yes	No	Yes	Yes	No
Horizontal Mounting	Yes	Yes	Yes	Vertical	Yes	Yes	Yes
Certifications	CE, FCC, RoHS, MTBF, VCCI	CE, FCC, RoHS, Energy-Star, UL	CE, FCC, RoHS, Energy-Star, UL	CE, FCC, RoHS, Energy-Star	CE, FCC, RoHS, Energy-Star, UL	CE, FCC, RoHS, Energy-Star, UL	CE, FCC, RoHS, Energy-Star
Warranty	3 Year (Carry In)	3 Year (Carry In)	3 Year (Carry In)	3 Year (Carry In)	3 Year (Carry In)	3 Year (Carry In)	3 Year (Carry In)

\* Use the specified model no. for ordering device with WiFi. The other configuration remains same as the main model no.