

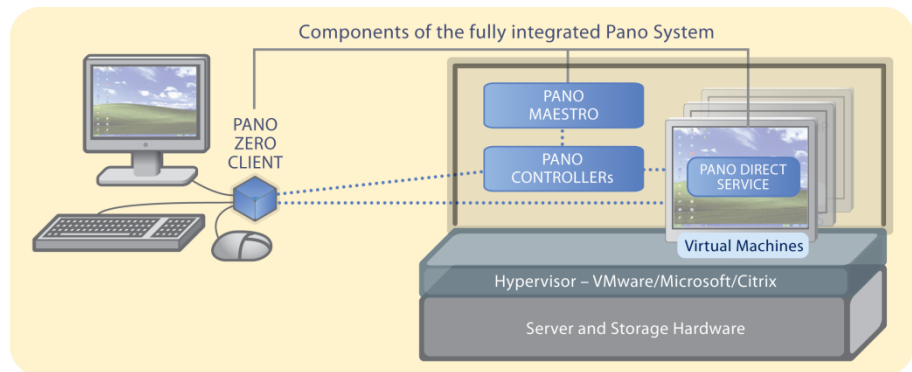
Pano System

Data Sheet

How It Works:

Pano System 5.0 includes everything you need to deploy virtual desktops on top of your VMware, Microsoft or Citrix virtualization platform. In one package and for one low price you get both our unique award-winning Pano Zero Client and the comprehensive hypervisor-independent Pano Controller Console and Pano Maestro management front-ends that help you easily provision, secure, monitor, and control your virtual desktops.

The Pano Zero Client effectively extends the virtual desktop's system bus over your local area network using native Windows drivers to connect the user's monitor, keyboard, mouse and USB peripherals to the Pano Direct Service running inside the Windows desktop virtual machines in VMware, Microsoft or Citrix hypervisors on your data center servers.



Communications between the Pano Zero Clients, desktop virtual machines and Pano Controller is handled via the Pano Direct Protocol, a highly efficient protocol purpose-built for desktop virtualization.

The Pano System is designed to make it as easy as possible for you to purchase, install, and support your virtual desktops – whether you're deploying 5 or 500.

What is Included:

Each Pano System includes:

- **Pano Zero Client endpoints**, available in black and silver finishes, with a 3-year warranty
- **Pano Controller appliance** with virtual desktop broker and zero client controller roles and **Pano Controller Console** web-based management front-end
- **Pano Maestro front-end** for highly scalable, Controller group management and monitoring
- **Pano Direct Service** installed into Windows in each virtual desktop
- **Maintenance** for one year providing all software updates, along with continuing access to our online Basic Support resources

Key Benefits:

The Pano System – with full centralization of all processing, management and support – can help you achieve desktop computing TCO reductions of up to 70% while increasing productivity.

- **Up and running in as little as an hour with a wizard-based installer**
- **Eliminates endpoint complexity, moving all management into the data center**
- **Improves IT productivity, eliminating troubleshooting visits and downtime**

Prerequisites:

Deploying the Pano System requires the following components:

- **Virtualization Platform** – one of the following:
 - **VMware:** vSphere 4.1-5.0 and vCenter Server 4.1-5.0, or VMware View Enterprise or Premier 4.1-5.0. Panos are certified as VMware Ready™.
 - **Microsoft:** Microsoft Windows Server 2008 R2 with Hyper-V or Hyper-V Server 2008 R2, and System Center Virtual Machine Manager.
 - **Citrix:** Citrix XenDesktop 4-5 and the included XenServer hypervisor or VMware vSphere ESX/ESXi 4.1. For optional redundancy/scalability, add Citrix NetScaler MPX/VPX 9.2 for load balancing. Panos are Citrix Ready Community Verified.
- **Microsoft Windows** – 32-bit Windows XP Professional (SP2 or SP3) and 32- or 64-bit Windows 7 Professional, Ultimate, or Enterprise editions with Microsoft Virtual Desktop Access licenses.
- **Server Hardware** – a server with a Xeon Dual or Quad Core CPU at 2.0 GHz or faster, is recommended, with 1 GB or more RAM for each active desktop virtual machine. A separate Windows PC workstation is also required to assist with setup and configuration.
- **Network Infrastructure** – 100 Mb/s or faster switched Ethernet LAN, DHCP server, and optionally a Directory Service server like Microsoft Active Directory for user authentication.



Technical Specifications:

- **Finishes:** available in both matte black and original chrome finishes
- **Warranty:** Three-year limited warranty
- **I/O Ports:** Four USB 2.0 ports
- **Video Display Output:** Primary DVI or VGA monitor, secondary DVI monitor with optional Dual Monitor cable
- **Networking:** 10/100 Mbps Base-T Fast Ethernet twisted pair (RJ-45)
- **Analog Audio:** Internal speaker and 3.5mm iPhone compatible TRRS jack
- **Regulatory Compliance:** RF Interference: FCC Class A, CE, RoHS Compliant
- **Power Adapter:** Worldwide auto-sensing 100-240 VAC, 50/60 Hz
- **Power Requirements:** With USB keyboard, mouse, and dual monitors attached is 6.5 watts, sleep state is <0.2 watts
- **Temperature Range:** 50° to 104° F (10° to 40° C)
- **Humidity:** 20% to 80% non-condensing
- **Dimensions:** H: 2.00" / 51.0mm, W: 3.50" / 88.8mm, D: 3.50" / 88.8mm
- **Weight:** 1.1 lbs. / 500 grams
- **Lock Slot:** compatible with some Kensington Security Slot lock kits (see [online help](#) for details)