

## Teradici PCoIP® Hardware Accelerator (APEX 2800)

The Teradici PCoIP® Hardware Accelerator (APEX 2800) ensures the success of VMware® Horizon View™ deployments by offloading PCoIP image encoding tasks, and reducing CPU utilization. This empowers IT managers to protect and ensure a consistent and improved user experience without use of a GPU. The Hardware Accelerator is a performance enhancement to VMware® Horizon View™ that also compliments shared GPU or GPU passthrough deployments.

### KEY BENEFITS

#### Improve user experience

- Combined with a PCoIP zero client on an unconstrained network, improves frame rates & MPPS by up to 2x
- When vCPU or server CPU is starving, by giving back CPU cycles to the application(s)

#### Protect user experience against CPU peaks

- Reliable and consistent user experience as loads change by decreasing peaks in CPU utilization up to 50%
- Ensure consistent application performance

#### Increase consolidation ratio

- Consolidate more users on the same server, up to 1.2x in typical office environments (5% video, 95% office applications)
- Add virtual headroom to any VDI implementation



### SPECIFICATIONS

Model	LP PCIe card			Mezzanine for HP	
Manufacturer's P/N	<ul style="list-style-type: none"><li>SA2800004</li></ul>			<ul style="list-style-type: none"><li>SA2800300</li></ul>	
Format	<ul style="list-style-type: none"><li>Half height, half length PCIe x4 Gen 2.0</li></ul>			<ul style="list-style-type: none"><li>MXM Type A</li></ul>	
System requirements	<ul style="list-style-type: none"><li>PCIe slot x4, x8, x16</li><li>ESX 4.1 U1/U2 or later</li><li>VMware Horizon View 4.6 x or later</li><li>Up to 2 cards per server</li></ul>			<ul style="list-style-type: none"><li>HP ProLiant Gen8 blade (WS460c, BL460c)</li><li>ESX 4.1 U1/U2 or later</li><li>VMware Horizon View 4.6 x or later</li><li>Up to 2 cards per server</li></ul>	
Memory	<ul style="list-style-type: none"><li>2 GB of onboard DDR3 SDRAM with ECC protection</li></ul>				
Display support	Resolution	Portrait	Landscape		
	2560x1600	25	40		
	1920x1200	40	64		
	1680x1050	50	85		
	1280x1024	100	100		
Power	<ul style="list-style-type: none"><li>Power supplied to card via PCIe interface: 15W</li></ul>				
Regulatory	<ul style="list-style-type: none"><li>Safety: UL/cUL</li><li>EMC: FCC Class B, Canada ICES, Class B, CE, VCCI, C-TICK</li><li>Environmental: WEEE, RoHS</li></ul>				
Environmental	<ul style="list-style-type: none"><li>Temperature: Operational 0° to 55° C Storage -20° C to 70° C</li></ul>			<ul style="list-style-type: none"><li>Humidity: Relative (non-condensing): 10% to 90% Storage: 5% to 95%</li></ul>	
Thermal cooling	<ul style="list-style-type: none"><li>Single slot passive heat sink</li></ul>				

### OTHER RESOURCES

Whitepapers, on-demand videos, webinars and case studies are available at:

[www.teradici.com/hardware-accelerator](http://www.teradici.com/hardware-accelerator)

### PCOIP ZERO CLIENTS

Find out more about PCoIP zero clients at:

[www.teradici.com/zeroclients](http://www.teradici.com/zeroclients)