

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"> • SA2800004 	<ul style="list-style-type: none"> • SA2800300 															
Format	<ul style="list-style-type: none"> • Half height, half length PCIe x4 Gen 2.0 	<ul style="list-style-type: none"> • MXM Type A 															
System requirements	<ul style="list-style-type: none"> • PCIe slot x4, x8, x16 • ESX 4.1 U1/U2 or later • VMware Horizon View 4.6 x or later • Up to 2 cards per server 	<ul style="list-style-type: none"> • HP ProLiant Gen8 blade (WS460c, BL460c) • ESX 4.1 U1/U2 or later • VMware Horizon View 4.6 x or later • Up to 2 cards per server 															
Memory	<ul style="list-style-type: none"> • 2 GB of onboard DDR3 SDRAM with ECC protection 																
Display support	<table border="1"> <thead> <tr> <th>Resolution</th> <th>Portrait</th> <th>Landscape</th> </tr> </thead> <tbody> <tr> <td>2560x1600</td> <td>25</td> <td>40</td> </tr> <tr> <td>1920x1200</td> <td>40</td> <td>64</td> </tr> <tr> <td>1680x1050</td> <td>50</td> <td>85</td> </tr> <tr> <td>1280x1024</td> <td>100</td> <td>100</td> </tr> </tbody> </table>	Resolution	Portrait	Landscape	2560x1600	25	40	1920x1200	40	64	1680x1050	50	85	1280x1024	100	100	
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1920x1200	40	64															
1680x1050	50	85															
1280x1024	100	100															
Power	<ul style="list-style-type: none"> • Power supplied to card via PCIe interface: 15W 																
Regulatory	<ul style="list-style-type: none"> • Safety: UL/cUL • EMC: FCC Class B, Canada ICES, Class B, CE, VCCI, C-TICK • Environmental: WEEE, RoHS 																
Environmental	<ul style="list-style-type: none"> • Temperature: <table border="1"> <tbody> <tr> <td>Operational 0° to 55° C</td> </tr> <tr> <td>Storage -20° C to 70° C</td> </tr> </tbody> </table> 	Operational 0° to 55° C	Storage -20° C to 70° C	<ul style="list-style-type: none"> • Humidity: <table border="1"> <tbody> <tr> <td>Relative (non-condensing): 10% to 90%</td> </tr> <tr> <td>Storage: 5% to 95%</td> </tr> </tbody> </table> 	Relative (non-condensing): 10% to 90%	Storage: 5% to 95%											
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Thermal cooling	<ul style="list-style-type: none"> • Single slot passive heat sink 																

OTHER RESOURCES

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

www.teradici.com/hardware-accelerator

PCOIP ZERO CLIENTS

Find out more about PCoIP zero clients at:

www.teradici.com/zeroclients