Clientron PCoIP® Solution

PCoIP® Zero Client and Host Card solution

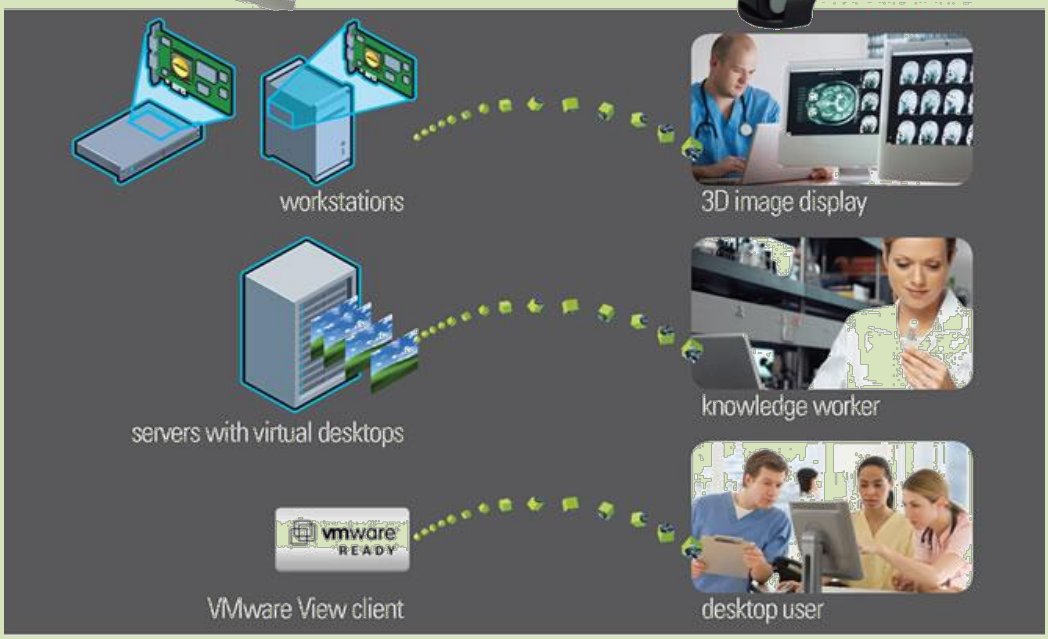
Valuable Zero Client Solution with TERA2 PCoIP® processor supporting VMware View®, PCoIP remote workstations and Teradici RDSH for Microsoft® RDS environments

PCoIP® Zero Client Solution

Clientron PCoIP® Zero Client solution, based on the next-generation Teradici® Tera2 zero client processor, delivers high-performance and easy manageability for VMware View®, PCoIP remote workstations and Teradici RDSH for Microsoft® RDS environments. The Clientron PCoIP ® Zero Client supports high resolution, full frame rate 3D graphics and HD media, delivering superior graphics experience and high data security for users.

Host Card

Truly Zero Client



The PCoIP® system **only transmits pixels** from workstation to zero client terminals, providing superior graphics experience and high security.

Clientron PCoIP® Solution

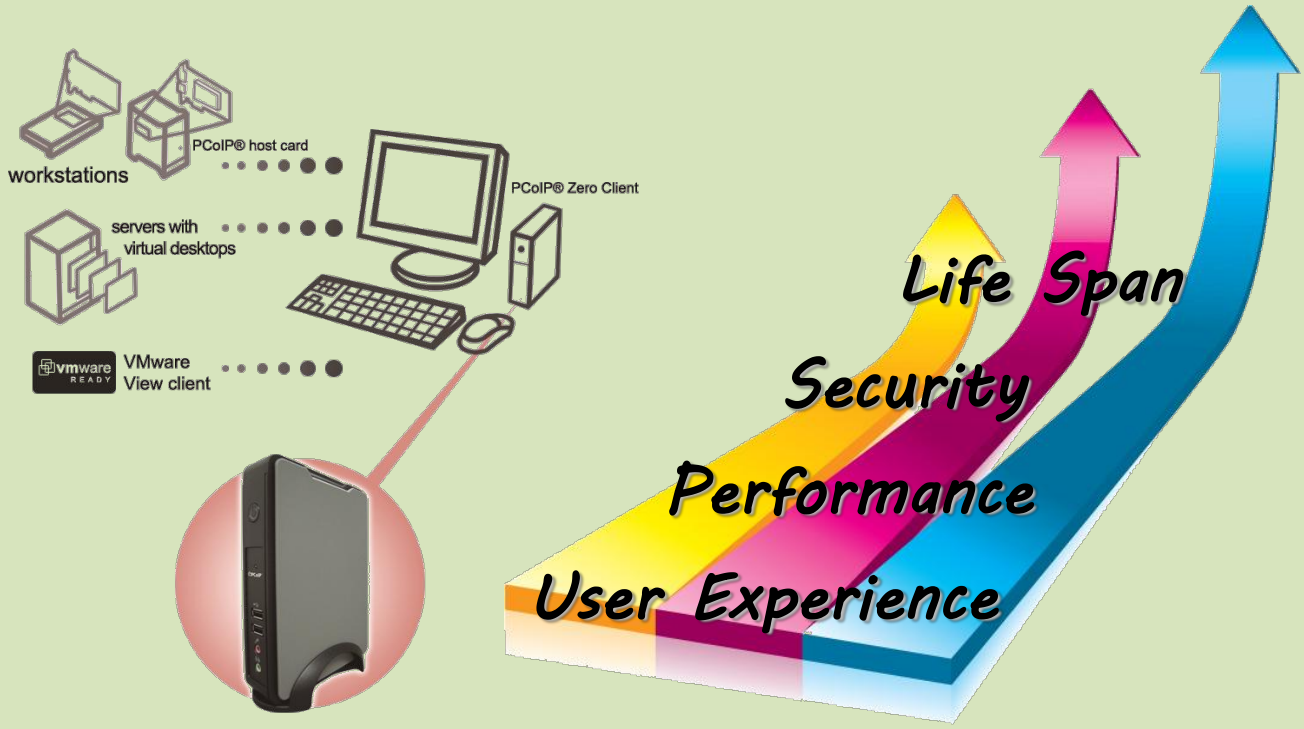
PCoIP® Zero Client and Host Card solution

teradici PCoIP

Benefits

Enhanced security, low maintenance & cost savings

- Operational costs (power/cooling/space consumption) significantly less compared to the traditional desktop PCs and thin clients
- No operating system, application, driver, anti-virus or codec updates required
- With no need to constantly upgrade, extended hardware life span assured
- Rich multimedia experience



Clientron PCoIP® Solution

PCoIP® Zero Client

teradici PCoIP®

Features

- PCoIP® protocol and zero client technology with Teradici TERA2321 (L400, D401) and TERA2140 (F400) PCoIP® Processors
- The most secure zero client and easy to manager without codec update, fan, hard drive, OS, driver
- Displays : L400 and D401 Zero Client supports Dual DVI with resolution up to 1920x1200 pixels and imaging performance up to 150 Mpps; F400 zero client supports quad DVI with resolution up to 1920x1200 pixels and imaging performance up to 300 Mpps
- Support onboard 512 MB DDR3 memory
- Lower power consumption
- Full power management with Wake-on-LAN support
- Optional optical fiber LAN port (L400)
- Optional Power-over-Ethernet function (D401)
- Broker connectivity to virtual desktops or remote workstation hosts using VMware View Manager

L400

D401

F400

Zero Client Specification- Dual Displays

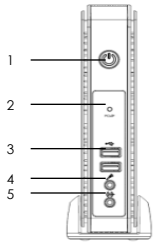
Model			L400	D401
Processor			Teradici TERA2321 PCoIP® Processor	
Display	Max Number of displays		x 2	
	Imaging Performance		50 Mpps (VDI); 150 Mpps (RWS)	
	Max Resolution		1 x 2560x1600 or 2 x 1920x1200	
Memory	RAM		Onboard DDR3 512MB SDRAM	
I/O Physical	USB (1.1/2.0)	Front	x 2	
		Rear	x 2	
	Video	DVI-I	x 1 (optional DVI-to-VGA adapter)	
		DVI-D	x 1	
	Audio	Mic-in	x 1	
		Line-out	x 2 (Speaker-out jack)	x 1 (Speaker-out jack)
Networking	LAN		x 1 (RJ-45, 10/100/1000 Base-T) (alternative to optical fiber LAN port)	x 1 (RJ-45, 10/100/1000 Base-T) (supports Power-over-Ethernet function)
Environment	Temperature	Operation	32° to 104° F (0° to 40° C)	
		Storage	-4° to 140° F (-20° to 60° C)	
	Relative Humidity		20% to 80% non-condensing	
Power	Power Supply		24W, DC 12V/2A external power adapter	
Mounting	Foot Stand	H or V	Vertical	
	Metal VESA Mounting Bracket		Optional	
Security	Kensington Lock		Yes	
Expansion	Smart Card Reader		N/A	
Physical Characteristics	Chassis Housing		Plastic and metal	
	Dimension	Terminal	42 (W) x 198 (H) x 140 (D) mm	29 (W) x 155 (H) x 133 (D) mm
		Packing : Single Box	85 (W) x 303 (H) x 295 (D) mm	83 (W) x 232 (H) x 205 (D) mm
		Packing : Carton	628 (W) x 330 (H) x 455 (D) mm, 10 boxes in one carton	662 (W) x 265 (H) x 355 (D) mm, 12 boxes in one carton
Regulatory Compliance			CE/ FCC/BSMI	CE/ FCC

Specifications subject to change without notice.

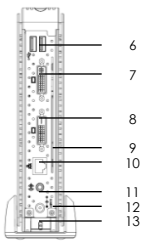
Mechanical Layout/Drawing

L400

Front Side View



Rear Side View



Front Side View

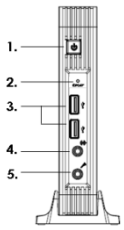
1. Power Button
2. PCoIP LED
3. USB 2.0 ports x 2
4. Audio Port (MIC-in)
5. Audio Port (Line-out)

Rear Side View

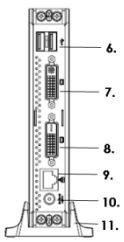
6. USB 2.0 Ports x 2
7. DVI-I Port
8. DVI-D Port
9. Label Card Slot
10. RJ-45 LAN Port (alternative to optical fiber LAN port)
11. Audio Port (Line-out)
12. DC Jack
13. Kensington Lock

D401

Front Side View



Rear Side View



Front Side View

1. Power Button
2. PCoIP LED
3. USB 2.0 ports x 2
4. Audio Port (MIC-in)
5. Audio Port (Line-out)

Rear Side View

6. USB 2.0 Ports x 2
7. DVI-I Port
8. DVI-D Port
9. RJ-45 LAN Port
10. DC Jack
11. Kensington Lock

Zero Client Specification – Quad Displays

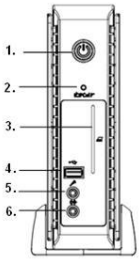
Model			F400
Processor			Teradici® TERA2140 PCoIP® Processor
Display	Max Number of displays		x 4
	Imaging Performance		50 Mpps (VDI); 300 Mpps (RWS)
	Max Resolution		2 x 2560x1600 or 4 x 1920x1200
Memory	RAM		Onboard DDR3 512MB SDRAM
I/O Physical	USB (1.1/2.0)	Front	x 1
		Rear	X 2
	Video	DVI-I	N/A
		DVI-D	x 4 (alternative to DisplayPort x 4)
	Audio	Mic-in	x 1
		Line-out	x 2 (Speaker-out jack)
Networking	LAN		x 1 (RJ-45, 10/100/1000 Base-T) (alternative to optical fiber LAN port)
Environment	Temperature	Operation	32° to 104° F (0° to 40° C)
		Storage	-4° to 140° F (-20° to 60° C)
	Relative Humidity		20% to 80% non-condensing
Power	Power Supply		24W, DC 12V/2A external power adapter
Mounting	Foot Stand	H or V	Vertical
	Metal VESA Mounting Bracket		Optional
Security	Kensington Lock		Yes
Expansion	Smart Card Reader		x 1 (Optional)
Physical Characteristics	Chassis Housing		Plastic and metal
	Dimension	Terminal	59 (W) x 200 (H) x 156 (D) mm
		Packing : Single Box	105 (W) x 338 (H) x 269 (D) mm
		Packing : Carton	315 (W) x 550 (H) x 375 (D) mm, 5 boxes in one carton
Regulatory Compliance			CE/ FCC

Specifications subject to change without notice.

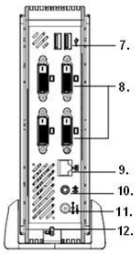
Mechanical Layout/Drawing

F400

Front Side View



Rear Side View



Front Side View

1. Power Button
2. PCoIP LED
3. Smart Card Reader slot
4. USB 2.0 port x 1
5. Audio Port (MIC-in)
6. Audio Port (Line-out)

Rear Side View

7. USB 2.0 Ports x 2
8. DVI-D Ports x 4
9. Label Card Slot
10. RJ-45 LAN Port (alternative to optical fiber LAN port)
11. Audio Port (Line-out)
12. DC Jack
13. Kensington Lock

Clientron PCoIP® Solution

PCoIP® Remote Acceleration Host Card

teradici PCoIP

PCoIP host cards are designed specifically for the most demanding graphics application users. Maximum performance of 300 mega pixels per second (Mpps) capable of driving full screens of changing pixels with application refresh rates up to 60 frames per second (fps) ensures the best remote user experience. These are graphics users currently running applications directly on a dedicated workstation in industries such as automotive and aerospace, oil and gas exploration, bank trading floors, defense and intelligence, healthcare, and media and entertainment video creation.

Features

ZH2240 – Quad-display Host Card

- Supports PCoIP® protocol with Teradici® TERA2240 PCoIP® processor
- Supports quad-display outputs and imaging performance up to 300 Mpps
- Independent of OS for server and workstation
- Providing secure, reliable and easy-to-manage solution for data center
- Suitable for graphic user, IT managers, and professionals running applications directly on workstation

Dimension:

16.8 x 10.7 cm (FHHL)

ZH2220 – Dual-display Host Card

- Supports PCoIP® protocol with Teradici® TERA2220 PCoIP® processor
- Supports dual-display outputs and imaging performance up to 150 Mpps
- Independent of OS for server and workstation
- Providing secure, reliable and easy-to-manage solution for data center
- Suitable for graphic user, IT managers, and professionals running applications directly on workstation

Clientron PCoIP® Solution

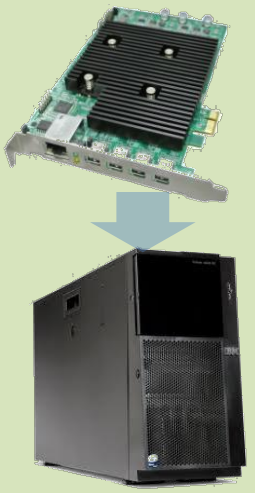
PCoIP® Remote Acceleration Host Card

teradici PCoIP

Benefits

IT Manager

- Maximum security
  - Sensitive data and intellectual property never leaves the datacenter – just pixels
  - Fully encrypted sessions including support for NSA defined Suite B security protocols
- Quickly setup satellite offices without having to deal with workstations on site
- USB security keys/dongles don't get broken or lost in the server room like at the desk
- Broker Windows workstation using VMware View™ for enterprise deployment of standard zero clients to connect to either VMs or physical workstations
- Easily share workstations
- Reduce IT overhead



Professionals

- Faster application and/or data access – sending pixels is faster than moving large data files or models
- Full backup power in the server room – no more lost work due to power outages
- Move desks/locations while your applications are still running
- Less noise and clutter on the desktop

PCoIP Remote Acceleration Host Card Specification

	Clientron ZH2240 Host Card	Clientron ZH2220 Host Card
Teradici Processor	TERA2240 PCoIP® Host Processor	TERA2220 PCoIP® Host Processor
Memory	512 MB DDR3 SDRAM with ECC	512 MB DDR3 SDRAM with ECC
PCIe form factor	PCIe x1 card (FHHL)	PCIe x1 card (FHHL)
Max Resolution	2 x 2560x1600 or 4 x 1920x1200	1 x 2560x1600 or 2 x 1920x1200
Imaging performance	300 Mpps (RWS)	150 Mpps (RWS)
Max application frame rate	60 FPS	60 FPS
Video ports	Mini-DisplayPort x 4 (optional Mini-DP to DP/DVI cable)	Mini-DisplayPort x 2 (optional Mini-DP to DP/DVI cable)
Ethernet	x 1 (RJ-45, 10/100/1000 Base-T)	x 1 (RJ-45, 10/100/1000 Base-T)
Power Management	Full wake on LAN and wake on USB	Full wake on LAN and wake on USB
Typical system power	13W	13W
Dimension (L x H) - Card	168 x 107 mm (6.6 x 4.2 inch)	168 x 107 mm (6.6 x 4.2 inch)
Dimension (L x W x H) – Package	Single Box: 223 x 220 x 55 mm Carton: 475 x 298 x 253 mm (10 Boxes in 1 Carton)	Single Box: 223 x 220 x 55 mm Carton: 475 x 298 x 253 mm (10 Boxes in 1 Carton)

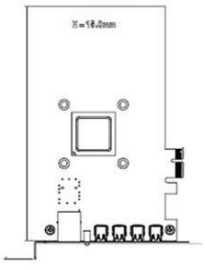
Remarks:
- VDI - Virtual Desktop Infrastructure
- RWS - Remote Work Station
- Mpps - Million pixels per second

Specifications subject to change without notice.

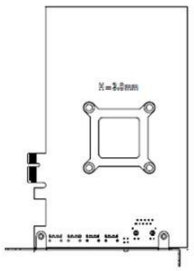
Mechanical Layout/Drawing

ZH2240

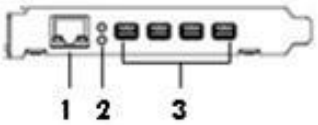
Top View



Bottom View



Edge I/O View

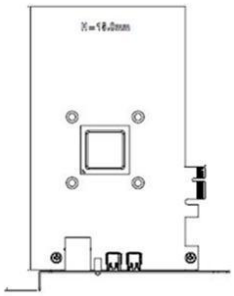


Edge I/O View

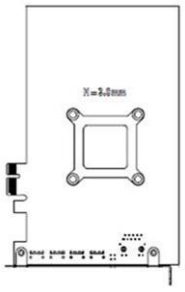
1. RJ-45 LAN Port
2. PCoIP LED
3. Mini-DP ports x 4

ZH2220

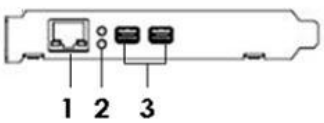
Top View



Bottom View



Edge I/O View



Edge I/O View

1. RJ-45 LAN Port
2. PCoIP LED
3. Mini-DP ports x 2

clientron

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