



# ALTO PCoIP® Zero Clients

Solutions for PCoIP® Desktop Virtualisation & High Performance PCoIP® Remote Workstations

## PCoIP® ZERO CLIENTS

With embedded PCoIP® processors which eliminate endpoint hard drives, graphic processors, operating systems & software. zero clients provide ease of security & management.

## POWER CONSUMPTION

Operating at between 6 & 12 watts, zero clients can significantly reduce running costs when compared to a traditional PC.

## SETUP & MAINTENANCE

Zero clients are setup and ready for use in under 5 minutes with network access to VMware Horizon View, or a PCoIP® Remote Workstation Card.

PCoIP® zero clients do not require applications, patches, service updates or anti-virus software.

## DESKTOP AS A SERVICE

ALTO zero clients will connect seamlessly to desktop as a service PCoIP® solutions from Deskstone by VMware & other cloud service providers utilising the PCoIP® protocol.



### ALTO2321

The ALTO2321 is a small form factor desktop device that uses the latest PCoIP chipset from Teradici® and supports any environment that utilises PCoIP® VMware Horizon View desktops or workstation host cards delivering a rich user experience. Supporting a single high resolution of 2560 x1600 or two 1920 x 1200 displays, four USB ports, microphone, headphone & Ethernet connectors.

ALTO zero clients also ensure data security and provide simplified IT management by eliminating the need for updating and managing operating systems.



### ALTO2140

The ALTO2140 uses the latest chipsets from Teradici® and supports any environment that utilises PCoIP® VMware Horizon View desktops or workstation host cards delivering a rich user experience.

With support for up to four high resolution displays of 1920 x 1200 or two 2560 x1600 displays driven by either quad DVI-D or DisplayPort. ALTO zero client's also ensure data security and provide simplified IT management by eliminating the need for updating and managing operating systems.

The new Teradici® host processors are raising the bar on security and performance with advanced security features such as AES-256 and NSA Suite B security protocols.

Part Codes					
Model	Function	Display	Network	Option	Part Number
ALTO2321	Dual Screen Zero Client	DVI	Copper		ALTO2321-IC
ALTO2321	Dual Screen Zero Client	DVI	Fibre		ALTO2321-IF
ALTO2321	Dual Screen Zero Client	DVI	Copper	Power over Ethernet	ALTO2321-ICP
ALTO2140	Quad Screen Zero Client	DP	Copper		ALTO2140-PC
ALTO2140	Quad Screen Zero Client	DP	Fibre		ALTO2140-PF
ALTO2140	Quad Screen Zero Client	DVI	Copper		ALTO2140-IC
ALTO2140	Quad Screen Zero Client	DVI	Fibre		ALTO2140-IF
ALTO2140	Quad Screen Zero Client	DVI	Copper	Smart Card I/F	ALTO2140-ICS
ALTO2140	Quad Screen Zero Client	DVI	Fibre SC	Smart Card I/F	ALTO2140-IFS



# Technical Specification

Model	ALTO2140	ALTO2321
<b>Max Number of Displays</b>	4	2
<b>Imaging Performance</b>	50 Mpps (VDI) 150 Mpps (Workstation)*	50 Mpps (VDI) 130 Mpps (Workstation)
<b>Maximum Resolution</b>	Two 2560x1600 or Four 1920x1200	One 2560x1600 or Two 1920x1200
<b>Memory Type</b>	512 MB DDR3	512 MB DDR3
<b>Device Physical Dimensions</b>	6.85 (height) x 5.20 (length) x 1.81 (thinness) inches without stand	5.91 (height) x 5.12 (length) x 1.77 (thinness) inches
<b>Power Management</b>	Full Wake-on-LAN and Wake-on-USB	Full Wake-on-LAN and Wake-on-USB
<b>Power Consumption</b>	12W	6W
<b>Power over Ethernet (PoE)</b>		Optional
<b>Encryption</b>	AES-128/AES-256 Suite B Ciphers (Workstation)	AES-128/AES-256 Suite B Ciphers (Workstation)
<b>Display Connectors/Ports</b>	Single link DVI-D connector or DisplayPort  Second Single link DVI-D connector or DisplayPort  Third Single-link DVI-D connector or DisplayPort  Forth Single-link DVI-D connector or DisplayPort  (or Two Dual-link DVI-D with adapters)	Single link DVI-D connector  Second single link DVI-D connector  (or One Dual-link DVI-D with adapter)
<b>USB Front</b>	Two front USB 2.0 connectors**	Two front USB 2.0 connectors**
<b>USB Rear</b>	Two rear USB 2.0 connectors  (Smart card reader zero clients have one front USB connector) Optional	Two rear USB 2.0 connectors
<b>Input/Output</b>	Headphone jack Microphone jack Speaker Jack	Headphone jack Microphone jack Speaker jack
<b>Network</b>	RJ45 or Fibre Ethernet connector 12VDC Power jack	RJ45 or Fibre Ethernet connector 12VDC Power jack
<b>VESA Mount</b>	Optional	Optional
<b>Smart Card reader</b>	Optional	External USB
<b>Warranty</b>	2 Years RTB	

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