# Robust, secure and portable PCoIP® zero client

Secure access to any workstation

The Manticore ZeroTop®15 notebook, a collaboration between Total IA and Amulet Hotkey, delivers secure, remote access to virtualized or cloud deployments that require security and portability. It is a robust, simple and stateless client with unique security features. It has the ability to connect to virtual or cloud desktops and applications as well as physical workstations making it ideal for secure and mission critical applications.

The Manticore ZeroTop 15 incorporates a Teradici Tera2321 PCoIP processor to decode session and display pixel data sent from a centralized PCoIP host. All communications use strong encryption such as 256-bit AES for the highest levels of security.

The benefits of the ZeroTop 15 notebook include:

- **Anywhere access:** a portable and self-contained client for secure remote access over standard IP networks to host systems that may be fixed, mobile or forward deployed.

- **WAN performance:** PCoIP remote display protocol and advanced imaging algorithms with PCoIP image engines to maximize decode capability.

- **Simple, secure and stateless:** hardware PCoIP zero client with:

  - No Windows or Linux application OS to patch/manage
  - No X86 processor, GPU and no local applications or web browser to eliminate common security exploits
  - No hard disk drive or local application data storage so no sensitive data ever reaches the client
  - Unique security features such as hardware USB device lock down

LAN/WAN

Remote/mobile datacentre
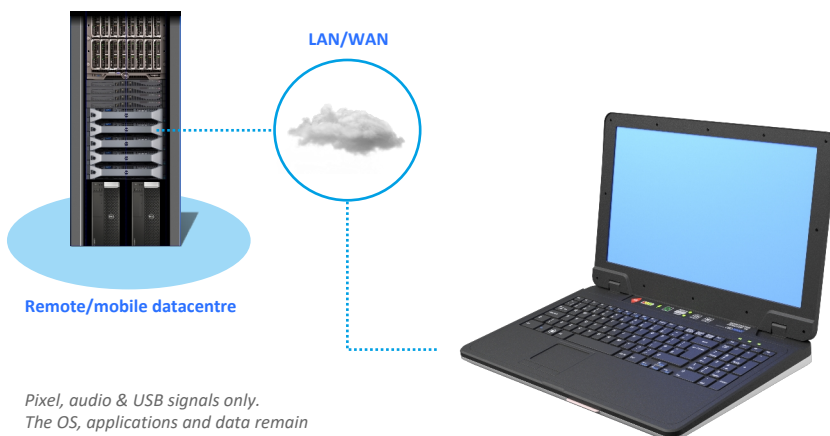
Pixel, audio & USB signals only.
The OS, applications and data remain
In the remote/mobile datacentre.

Manticore ZeroTop®15
Image for reference purposes only

Key Features

- Compact, robust and highly-secure PCoIP zero client notebook

- Outdoor-readable screen with anti-reflective treatment.

- Exceptional performance including real-time video and demanding 3D graphics

- Connect to virtual desktops, cloud managed desktops or for the most demanding graphics, to remote physical/virtual workstations

- Removable battery with 1.5hr battery mode

- Designed for security, reliability and portability

- Optional Integrated Smart Card Reader (model ZT101)

Network connection

- Support for point-to-point or standard IP-based LAN and WAN networks over copper or fiber network connections using an SFP connector

- Supports remote access connections that can be local, across country or continent-to-continent

Security

- Only encrypted display pixels are sent so no sensitive data ever reaches the client

- Zero clients have no X86-processor, no client GPU and no local storage which eliminates exploits common with other client endpoints

- Extensive security features

- Various Keyboard layouts available

teradici PCoIP®

Preliminary Datasheet
specifications are subject to change

TIA **TOTAL-IA**

In partnership with

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Related products:

Rugged laptops and tablets
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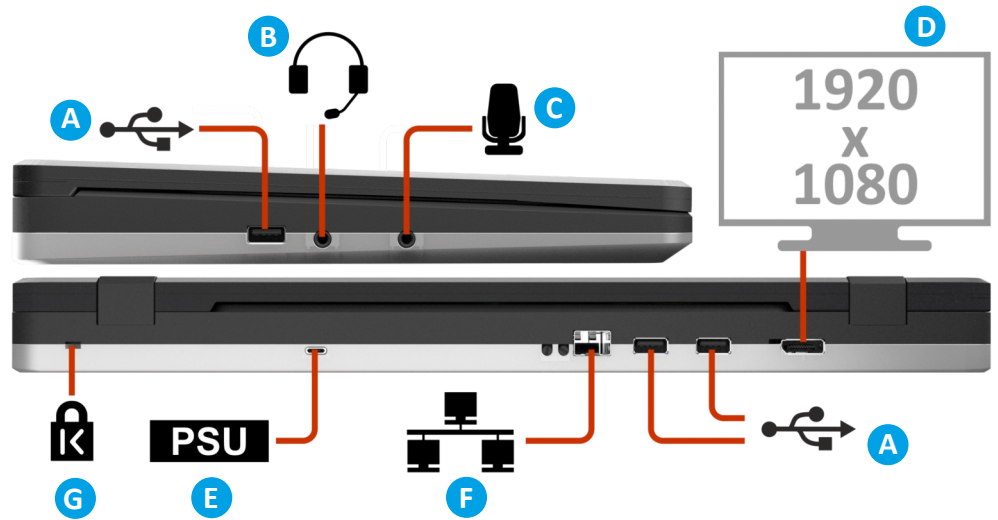Design for Military standards

www.amulethotkey.com
www.totalia.co.uk

Datasheet DS-DXZT-0010 v2.1 Apr 2021

Manticore ZeroTop®15
Portable Zero Client

Manticore ZeroTop 15 model ZT100 shown

A	USB Type A sockets x3
B	Headset
C	Microphone
D	Secondary optional display
E	DC inlet from external supply
F	Network (SFP)
G	Kensington® Lock
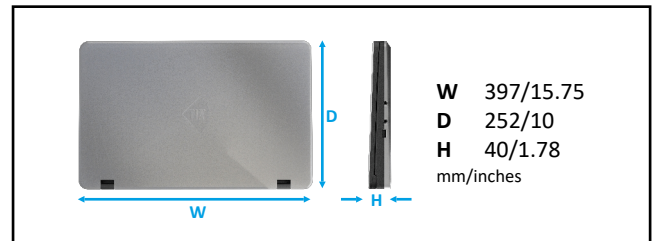
W	397/15.75
D	252/10
H	40/1.78
	mm/inches

Preliminary specifications Manticore ZeroTop 15 (model ZT100 and ZT101)

Screen:	15.6" FHD, typ 400nits min 320nits (or cd/m2) eDP LCD TFT 262,144 colours with typ 85° horizontal & vertical viewing angles, typ 30ms response time, 141 ppi
Power Connector:	USB-PD Type-C (USB Power Delivery)
Power Input:	20VDC 4.5A 90W
Keyboard & Touchpad:	Backlit (brightness levels: off, 50, 75,100% - via Function + F10 key) with numpad Touchpad is multi-touch
Chassis Design:	Injection Moulded Polycarbonate
Cooling:	Heatpipe to speed controlled fan
Battery:	11.4V 3.88Ah RRC 44.20Wh comliant to: UN38.3 UL2054
Charging:	Smart Battery Charger Controller
Smart Card Reader:	Omnikey USB - *Manticore ZeroTop 15 model ZT101 only*
Lid Closed Detection:	Yes
Core Zero Client:	Amulet Hotkey DXZC (TERA2321, 512MB DDR3 RAM)
Connections:	3x USB Type A 1x DisplayPort - dual mode, up to 1920 x 1200 max 1x 3.5mm stereo headset/headphones - 0Hz to 19.85kHz / 21.6kHz (44/48KHz sampling) 1x 3.5mm stereo microphone - 10Hz to 19.85kHz / 21.6kHz (44/48kHz sampling) 1x Network I/F - single SFP module: fiber pr copper; 1Gbit/s or 1Mbit/s
Status LEDs:	PCoIP status LEDs (as per DXZC); SFP status LED (as per DXZC); Power (combined LED/Button) Charging LED (flash for charging, solid charged); Battery Status LEDs (5 segments illustrating charge); Brightness buttons: Down, Up and Blackout
Temperature Ranges:	Operating 0 - 40°C; Storage -10 to 60°C
Hinges:	Custom design laptop hinge
Size & Weight:	397 x 252 x 40mm, 3kg (estimated)

Preliminary Datasheet - specifications are subject to change