



zwana®

Smart
Connectivity



Unified Threat Management - Server - Crew Services





Zwana ZS4 is a hardware & software system designed to operate in remote locations utilizing a satellite link for communication.

It provides solutions for cyber security with an advanced UTM firewall, network management with Windows Server VM and an Internet cafe from prepay data.

The evolving sectors in satellite communication have brought further requirements for remote locations. Standard firewall solutions are no longer a match for a threatened cyber security industry. Zwana comfortably fulfils

these requirements as a powerful hardware and software server platform and industry leading UTM firewall.

Load your own virtual machines to Zwana or even run provider VM's such as the NSD from Inmarsat. Make your remote location or vessel a direct extension of your office by maintaining full control of your IT policies and applications. All configurable via remote access and online portal.

Last, but not least, Zwana is a prepay Internet café allowing users or crew to purchase or top-up existing accounts and allocate the data to specific applications such as web, email and instant messaging. Zwana prepay accounts also allow for roaming between vessels of the same company and avoiding loss of prepaid credit.

CORPORATE FEATURES

UTM Firewall	<ul style="list-style-type: none"> • Automatic multi-wan: Failover, load balancing, link aggregation • Web Filtering & Application Control • Intrusion Prevention System • Policy based routing • Gateway Anti-Virus & Anti-SPAM
Anti-Virus	ESET File security (optional)
VM Server	Windows Server 2016 VM (optional)
Data Redundancy	Up to 4 Solid State Drives (RAID optional)
Online Configuration	Configure and maintain Zwana via the online customer portal or via remote access
Data Analysis	Data usage report per network
e-mail	Designed for the satellite communication to compress and control your business emails

CREW or END USER FEATURES

Internet Café	Post-pay or Prepay e-Wallet top-up for Internet
Crew App	Browser, Android or iOS applications for Internet Cafe
VoIP	Prepay VoIP via personal devices (BYOD) or with VoIP phone
Start/Stop	Enable and Disable user on demand

GROUP ACCESS LEVELS

Administrator	IT Administrator
Manager	Captain
User	Crew



HARDWARE

Main Board Options	ASRock D1541D41, ASRock D1521D41
CPU	Intel® Xeon® D1541 Processor 12M Cache, 2.10 GHz Intel® Xeon® D1521 Processor 6M Cache, 2.40 GHz
RAM	8GB - 64GB DDR4
Storage	1 - 4 Solid State Drives 250GB - 1TB (RAID optional)
Cooling	Steel and alloy passive cooling with heat sink
PSU	1x 12V (server) & 1x 48V (firewall)
Features	SERVER: 5 x Ethernet Gigabit / FIREWALL: 5 x Gigabit
Mounting	Desk or Rack mount
Front	LED's: Power / HDD / PSU status / Firewall Status Button: Start / shutdown / I/O: 1x USB2.0
Rear	Power In / Power Switch / 2x USB3.0 / 5x 1000 LAN / VGA / Firewall reset / 4x Firewall ports / Service port / firewall service USB
Firewall	WatchGuard T35
Dimensions	425mm (d) x 66.7mm (h) x 440mm (w) - excluding rack mounts 425mm (d) x 66.7mm (h) x 485mm (w) - including rack mounts
Weight	Base unit +-11 KG
Operating Temp.	0°C - 50°C ambient

SOFTWARE

Host OS	centOS 7
----------------	----------