

THE FOUNDATION OF MARINE & INDUSTRIAL BUSINESS COMPUTING

TALOS



IME-8000

TALOS® Marine - industrial Server/Workstation is based on latest 9th generation Intel® Xeon & i7/i5/i3 Coffee Lake CPU processors, with innovative hardware Enhanced Security, Data Encryption, Flexible Manageability and Premium Computing Experience. TALOS protects your business against legal, financial and Insurance implication from Cybernetic crimes.

It's the industry's first hardware enhanced multifactor authentication solution that makes logins a million more times harder to crack without sacrificing the user experience. Defend your business with hardware and software security that makes a great security team. The wireless Remote encrypted protection helping IT service provider to diagnose, repair and recovery your entire PC's fleet, even when is switched off or in the case of operation system failure, with a high resolution re-imaging through KVM control. With TALOS Server you can create an enhanced security encrypted network for your fleet thus reducing safety risks, costs and downtime, as well as increasing productivity with amazingly responsive computing system.

Designed & Approved for 24/7 continuous operation for marine & industrial use, TALOS is a great solution to the company's Safety Management requirements, in particular to ISM code2 , ISPS Code3 chapter 8, part B #8.3, as well as navigation & cargo load PC

Lock Down Your Solutions Against Combat Cyber-Crime

Advanced Integrated hardware hooks inside TALOS Server, including BIOS, boot and virtualization protections which "forges" and enables TALOS to be the most secure Marine server ever.

Build your Network with safe

Use the advantages of Virtualization for a safe network and easy manageability. See an example of TALOS Server with Zero Clients connected direct into Virtual machines.



- ✓ Access ALL VMs remotely as Admin through WebUI
- ✓ Maintain and build more VMs remotely
- ✓ Reduce the cost to ZERO against Physical computers
- ✓ Restore & Backup all VMs easily & under schedule
- ✓ Stay Safe with USB locking & prevent malicious software to harm endpoints



Control your TALOS remotely securely with random passwords, TLS Certification & Administrators default password

Fast Recovery

Save time and money. TALOS Advanced Recovery technology enables recovery remotely and remediation in the scenario of compromise without incurring the cost for a desk-side visit.

Threat Protection

Ensure safer browsing and protect vulnerable endpoints. Zero-Day exploit prevention and protection for Windows System Core and browser exploits offers instant threat detection.

- Build for marine business innovation
- Protect your network computer assets
- Building on your security strategy to protect your fleet
- Strengthen end point security with hardware protection
- Data Encryption throughout lifecycle
- SSD Drivers Self data Encryption
- USB 3.1 (Super speed up to 10Gpbs)
- Integrated with TPM (Trusted Platform Module)
- Manage PC lifecycle complexities confidently
- Streamline multitasking productivity
- RAID 0, 1, 5 & 10 ready
- 4K Graphics
- Innovative CPU Fanless Cooling
- 4 Removable Hot Swap SSD/HDD Tray
- Optional Rack Mounted Kit (3U)
- Optional Redundant PSU 400Watt Hot Swap
- Optional 12/24DC Input
- Optional CAN bus & Extra LAN (2x)
- Superior MTBF
- Anti Corroded Chassis
- Anti Vibration Shocks
- Complies with IEC60945 & IACS E10



INTERMARINE ELECTRONICS S.A.

*Specifications may change without notice.

IME-8000 Specifications

Embedded function	HW remote	Wireless Hardware Encrypted remote control with TLS ceretification, random password, & administration default password, AES-256 , TCG OPAL
	RAID	Support RAID 0, 1, 5 & 10 (ready)
	Wireless network	Wi-Fi, Bluetooth, M.2 2230 key E, Superspeed up to 1.72Gbps
Processor System	CPU	9th Generation Intel® Xeon & Core i7/i5/i3 (Coffee Lake)
	Core Number	8
	Max Speed	3.6 up to 4.5 GHz
	L2 Cache	8Mb Smart Cache (up to 12)
	Chipset	Intel®
	BIOS	AMI Aptio 5.x, BIOS recovery, SM-BIOS (DMI),S.M.A.R.T, HW Watchdog, BIOS & CPU Microcode update
Expansion Slot	M.2 Socket	1x 2280 key M for PCI-based SSD NVME modules
	M.2	1x M.2 Key E Socket
	PCIe Slots	1x PCIe x16 (16 lanes (gen3), 1x PCIe x4 (4 lanes), 1x PCIe (1 lanes (gen2.5), 1x PCIe x1(11 lanes (gen3)
Memory	Technology	DDR4 -2666 (CL19) / -2400 (CL17) / -2133 (CL15) SDRAM, unbuffered, ECC 1 / non-ECC
	Max	64Gb
	Socket	4x DDR4 2666MHz (ECC/ Non-ECC)
Graphics	Graphics	Intel® UHD Graphics P630
	VRAM	Shared Memory
	VGA	1x (with adapter, resolution up to 1920x1200)
	DVI	1x DVI-D
	Display Port	2x 4K, Max Resolution up to 4096x2160 @ 60Hz
	MultiDisplay	Yes (triple display)
Ethernet	Ethernet	10/100/1000 Mbps
	Controller	1x Intel® I219LM GigE, support of iAMT 12.0 1x Intel® I210AT, WoL, Magic packet, teaming support

SATA	Max Data Transfer rate	SATA3 (6.0 Gbps)
I/O Interface	VGA	1 (with adapter)
	DVI	1x DVD-D
	Display Port	2x V1.2
	Ethernet	6 + 4 optional
	USB Ports	2x USB 3.1 Super Speed 10Gbps, 4x USB 3.1, 6x USB 2.0, 1x USB 3.1 10Gbps stick socket
	GPIO Ports	8 bit GPIO WLAN LED Support, 3.3V/5V/12V
	Serial	4x COM (RS-232)
	Mouse/ Keyboard	1x PS/2 Mouse, 1x PS/2 Keyboard
	Audio	1x Mic-In, 1x Line-Out
Internal Connector	M2. Sockets	1x M.2 (2280/2242) M Key, 1x 2230 E Key
	SATA	6x SATA G/bps with raid 0,1,5 & 10 support
	Parallel	1x pin header
	Chassis Instrusion	1
Special features	Watchdog	BIOS POST Watchdog / BIOS Boot Watchdog / OS HW Watchdog
	Continius Op.	Operating Mode 24-7
	Recovery	Recovery BIOS / Desk Update / Multi Boot
	Smart Management	Wake-On-LAN, PXE supported
Power Requirements	Input Power	100-250VAC 180W, ATX PWR Con (24+4-pin) 12/24VDC optional
Temperature		Working temp. -20 ~ 55 °C
	Enviroment Humidity	5% to 95% b non-condensing
Dimensions	WxDxH	36x30x12 cm
	Mounting	Desktop, Wallmount, (3U Rack as option)
Approvals	Marine	IEC 60945, IACS E10