MS2410

Mariner Kit for use with HP EliteDesk 800 G2 Tower PC (Desktop configuration)

The HP EliteDesk 800 G2 Tower (TWR) PC is marine type approved by all of the major international marine Classification Societies when it is installed in conjunction with our Mariner Kit MS2410.

The MS2410 Mariner Kit is designed to fit onto any horizontal surface and affords protection against the effects of vibration and shock experienced in the offshore marine environment and has been tested against IACS Unified Requirement E10 and the relevant sections of IEC60945 (see below right for test details).

This type approved combination of hardware and Mariner Kit can be used as the platform for your critical navigation, control, loading and general purpose applications (please check individual type approval certificates for any restrictions).

KEY FEATURES OF THE HP ELITEDESK 800 G2 TWR PC

◆ Experience top-notch productivity plus industry-leading reliability, security, and manageability, plus a unique portfolio of solutions with the powerful HP EliteDesk 800 G2 TWR, HP's most expandable enterprise-class PC

◆ Simplify IT roll-outs and stagger deployments with an 18-month life cycle and global availability in more than 180 countries where HP conducts business

◆ Get the reassurance of a PC that goes through 120,000 hours of HP Total Test Process and is designed to pass MIL-STD testing

◆ Blast through your most demanding challenges with the uncompromising performance of 6th generation Intel® Core™ processors and integrated Intel® HD Graphics

◆ Two full height PCI Express x16 slots (one wired as a x4); two full height PCI Express x1 slots; one full height PCI slot (optional)

◆ Two front and six rear USB 3.0 ports; two front USB 2.0 ports (one fast charging)

◆ 2 x DisplayPorts; 1 x VGA video port; 1 x RJ45 Network connector; 1 x RS-232 Serial port (2nd optional); 1 x Parallel port (optional)

◆ 95.3% recyclable when properly disposed of at end of life

◆ Support your environmental initiatives with energy-efficient PCs that are ENERGY STAR® certified and EPEAT® Gold registered

◆ Compliant with the Restrictions of Hazardous Substances (RoHS) directive – 2011/65/EC

◆ Designed to comply with the Waste Electrical and Electronic Equipment (WEEE) directive – 2002/96/EC

◆ Three-year limited warranty on parts and labour as standard

This Mariner system is tested against the consolidated 'worst-case' requirements of all the major international marine Classification Societies:
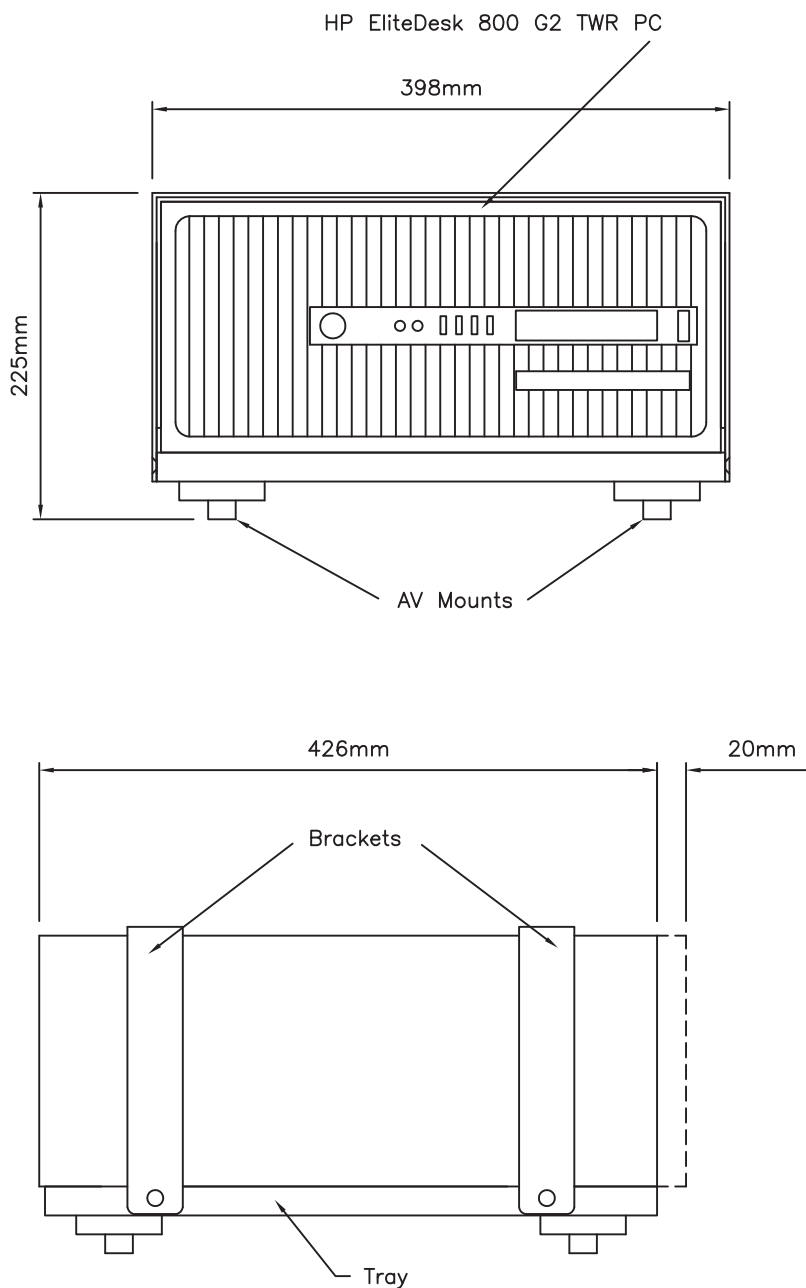
ABS, BV, CCS, DNV GL, KR, LR, NKK, PRS, RINA

Tests included on the test programme are as follows:

> Vibration, Shock, Static and Dynamic Inclination
> Dry & Damp Heat, Low Temperature
> Acoustic Noise, Compass Safe Distance
> High Voltage, Power Supply Variation & Power Supply Failure
> Conducted LF & RF, Electromagnetic Field
> Radiated & Conducted Emissions, Electrostatic Discharge
> Insulation Resistance, Burst/Fast Transients
> Surge Immunity, Access to Dangerous Voltages

"Steer the right course with Mariner Systems"

MS2410

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HP EliteDesk 800 G2 TWR PC

398mm

225mm

AV Mounts

426mm   20mm

Brackets

Tray

OPERATING GUIDELINES

Although all our equipment is tested against extreme environmental conditions for the purposes of marine type approval, installation should take into account the following guidelines:

> Keep the computer away from excessive moisture, direct moisture and the extremes of heat and cold and, wherever possible, ensure that the computer is within the manufacturer's specified operating/non-operating ranges:

	Operating	Non-operating
Temperature	+10° to +35°C (+50° to +95°F)	-30° to +60°C (-22° to +140°F)
Humidity	10% to 90% (non-condensing)	5% to 95% (non-condensing)

> Leave at least 10.2 cm (4-inch) clearance on all vented sides of the computer to permit the required airflow

> Never restrict airflow into the computer by blocking any vents or air intakes

> Occasionally clean the air vents on all vented sides of the computer

> If the computer is to be operated within a separate enclosure, intake and exhaust ventilation must be provided on the enclosure, and the same operating guidelines listed above will still apply

By following these guidelines you will maximise the life of your equipment and minimise service costs.

STATISTICS

Overall Fitted Dimensions	**398mm (w) x 225mm (h) x 446mm (d)**
Weight (Mariner Kit only)	**2.2 kg**
Weight (including hardware)	**Starting at 11.7 kg (exact weight depends upon configuration)**
Chipset	**Intel® Q170**
Processor	**Intel® 6th Generation Core™ i7, i5 & i3; Intel® 6th Generation Pentium®**
Memory	**Up to 64 GB DDR4-2133 SDRAM**
Hard Drive	**500 GB to 2 TB 3.5-inch SATA 6.0 GB/s (7,200 rpm); 500 GB 2.5-inch SATA 6.0 GB/s (7,200 rpm); 500 GB 2.5-inch SATA 6.0 GB/s SSHD; 128 to 256 GB 2.5-inch SATA 6.0 GB/s SSD; 128 to 256 GB 2.5-inch SATA 6.0 GB/s 3D SSD; 128 to 256 GB Turbo SSD-PCIe Card**
Keyboard	**HP USB Business Slim Keyboard; HP PS/2 Business Slim Keyboard**
Mouse	**HP USB Mouse; HP PS/2 Mouse; HP USB 1000dpi Laser Mouse**
Network Card	**Integrated Intel® 1219LM Gigabit Ethernet**
Graphics	**Integrated Intel® HD Graphics**
Optical Storage	**HP Slim DVD-ROM; HP Slim SuperMulti DVD-RW; HP Slim BDXL Blu-ray Writer**
Audio	**Integrated HD audio with Realtek ALC221 codec; DTS Studio Sound™**
Operating System	**Windows 10; Windows 8.1; Windows 7; FreeDOS 2.0**
Expansion Slots	**2 x full height PCI Express x16 graphics connectors (one wired as a x4); 2 x full height PCI Express x1 accessory connectors; 1 x full height PCI expansion slot (optional)**
USB Support	**8 x USB 3.0 ports – 2 front & 6 rear 2 x USB 2.0 ports – 2 front (1 fast charging)**
Rear I/O	**1 x RS-232 Serial port (2nd optional); 1 x Parallel port (optional); 1 x RJ-45 Network connector 1 x VGA video port 2 x DisplayPort with multi-stream**
Operating Voltage Range	**90 – 264 VAC**
Operating Line Frequency Range	**47 – 63 Hz**