

MS2710

Mariner Kit for use with HP EliteDesk 8 G1i Tower PC
(Desktop configuration)



The HP EliteDesk 8 G1i Tower (TWR) PC is marine type approved by most of the major international marine Classification Societies when it is installed in conjunction with our Mariner Kit MS2710.

The MS2710 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).

**“Steer the right course
with Mariner Systems”**



PRODUCT FEATURES

- ◆ Unleash AI-driven power with the HP EliteDesk 8 G1i TWR PC, featuring a powerful Intel® Core™ Ultra processor
- ◆ Elevate your security, expandability, and PC design to new heights – perfect for dynamic, modern workspaces
- ◆ Enhance productivity and streamline workflows with the AI-enhanced power of the latest Intel® Core™ Ultra processor that ensures fast and efficient processing power and performance for demanding tasks
- ◆ With multiple expansion slots, storage options, and 4 DIMM memory, the HP EliteDesk 8 G1i TWR PC offers seemingly limitless potential for upgrades. Its toolless design allows for easy upgrading, ensuring your PC can grow with your needs
- ◆ Rest easy with a PC that undergoes 120,000 hours of HP's Total Test Process and MIL-STD 810 testing
- ◆ ENERGY STAR® certified and EPEAT® Climate+ Gold registered where applicable
- ◆ Compliant with the Restrictions of Hazardous Substances (RoHS) Directive – 2011/65/EC
- ◆ Compliant with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC
- ◆ PC chassis and all internal components and modules are manufactured with low halogen content
- ◆ One-year limited warranty on parts and labour as standard

This Mariner Systems solution is tested against the consolidated, 'worst-case' requirements of the following major international marine Classification Societies:

ABS, BV, CCS, ClassNK, DNV, KR, LR, PRS & RINA

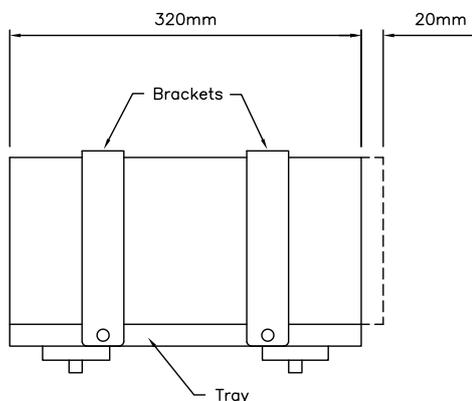
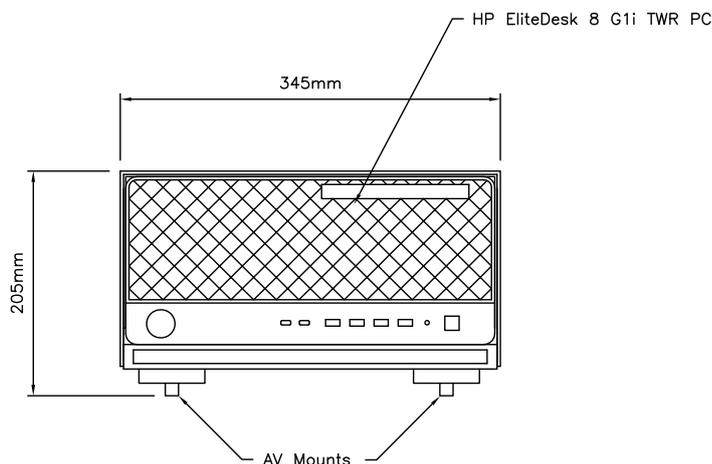
Refer to individual Classification Society type approval certificates for any restrictions / limitations.

Tests included within 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

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OPERATING GUIDELINES

Although all of our solutions are tested against extreme environmental conditions for the purposes of marine type approval, installation should consider the following guidelines:

- > Keep the computer away from excessive moisture, direct sunlight and the extremes of heat and cold. Wherever possible, ensure that the unit is operated within the manufacturer's recommended operating range:

	Operating	Non-Operating
Temperature	+10° to +35°C (+50° to +95°F)	-30° to +65°C (-22° to +149°F)
Humidity	10% to 90% (non-condensing)	5% to 95% (non-condensing)

- > Leave a 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 monitor and minimise service costs.

STATISTICS

Overall Fitted Dimensions	345mm (w) x 205mm (h) x 340mm (d)
Weight (Mariner Kit only)	1.9 kg
Weight (including hardware)	8.1 kg (exact weight depends upon configuration)
Chipset	Intel® Q870
Processor	Intel® Core™ Ultra 7 & 5
Memory	Up to 128 GB DDR5-5600 DIMM
Storage	1 TB to 2 TB 3.5-inch SATA (7,200 rpm); 256 GB to 1 TB 2280 PCIe NVMe Value SSD; 512 GB to 2 TB 2280 PCIe-4x4 NVMe TLC SSD
Keyboard	HP USB Keyboard
Mouse	HP USB Mouse
Networking (integrated)	Intel® I219LM GbE LOM
Graphics (integrated)	Intel® UHD Graphics
Optical Storage	HP 9.5mm Ultra Slim DVD Writer
Operating System	Windows 11 Professional; Windows 11 Home; FreeDOS
Expansion Slot	2 x full-height PCIe 3.0 x1 slots; 1 x full-height PCIe 5.0 x16 slot; 1 x full-height PCIe 3.0 x16 slot (wired as a x4)
USB Support	3 x Type-A USB 2.0 (rear); 2 x Type-A USB 3.2 Gen 1 (rear); 4 x Type-A USB 3.2 Gen 2 (front); 2 x Type-C® USB 3.2 Gen 2x2 (front)
Rear I/O	2 x DisplayPort™ 2.1; 1 x HDMI 2.1; 1 x RJ-45 Network connector
Rated Voltage Range	100 to 240 VAC



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Design and specifications are subject to change without notice. E&OE.

Version I