

# MS2730

Mariner Kit for use with HP EliteDesk 8 G1i SFF PC  
(Horizontal mount)



The HP EliteDesk 8 G1i Small Form Factor (SFF) PC is marine type approved by most of the major international marine Classification Societies when it is installed in conjunction with our Mariner Kit MS2730.

The MS2730 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).

**“Proven solutions for  
a demanding environment”**

## PRODUCT FEATURES

- ◆ Tackle multi-tasking needs with the AI-enhanced performance of the HP EliteDesk 8 G1i SFF PC
- ◆ Powered by the latest Intel® Core™ Ultra processor, the HP EliteDesk 8 G1i SFF PC enhances productivity and streamlines workflows with AI capabilities
- ◆ Versatile design for small workspaces. Its small design offers scalability and connectivity for multitasking, making the HP EliteDesk 8 G1i SFF PC ideal for modern work environments
- ◆ 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**

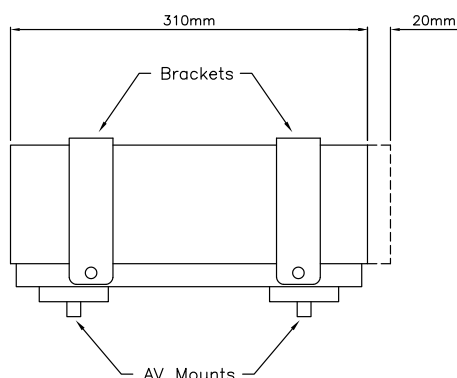
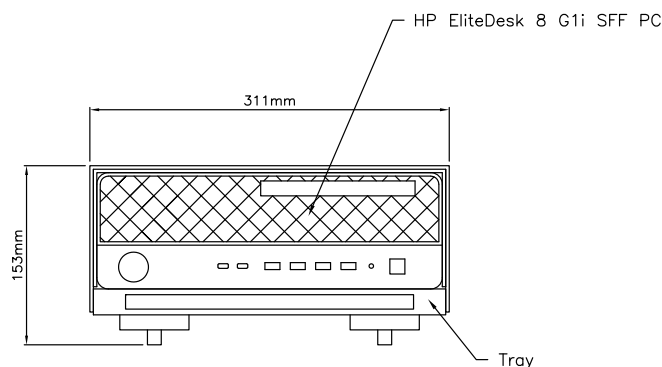
Refer to individual Classification Society type approval certificates for any restrictions / limitations.

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<br>(+50° to +95°F) | -30° to +65°C<br>(-22° to +149°F) |
| Humidity    | 10% to 90%<br>(non-condensing)   | 5% to 95%<br>(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   | 311mm (w) x 153mm (h) x 330mm (d)                                                                                                          |
| Weight (Mariner Kit only)   | 1.7 kg                                                                                                                                     |
| Weight (including hardware) | 6.4 kg<br>(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);<br>256 GB to 1 TB 2280 PCIe NVMe Value SSD;<br>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;<br>Windows 11 Home;<br>FreeDOS                                                                                    |
| Expansion Slot              | 1 x low-profile 4.0 x 16 slot;<br>1 x low-profile 4.0 x 4 slot                                                                             |
| USB Support                 | 3 x Type-A USB 2.0 (rear);<br>2 x Type-A USB 3.2 Gen 1 (rear);<br>4 x Type-A USB 3.2 Gen 2 (front);<br>2 x Type-C® USB 3.2 Gen 2x2 (front) |
| Rear I/O                    | 2 x DisplayPort™ 2.1;<br>1 x HDMI 2.1;<br>1 x RJ-45 Network connector                                                                      |
| Rated Voltage Range         | 100 to 240 VAC                                                                                                                             |

CERTIFIED  
ISO 9001

