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## Datasheet

# Navigation Computer

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### Description

The Type 8026 Navigation Computer forms part of a Data Fusion Engine, a 'one-box' solution designed to meet the complete on-board requirements of any acoustic operation.

The Navigation Computer is a powerful, purpose-built PC that is used in conjunction with the Navigation Controller Unit (NCU). It has been specifically designed to run Sonardyne's family of Pharos LBL and Pharos USBL software applications.

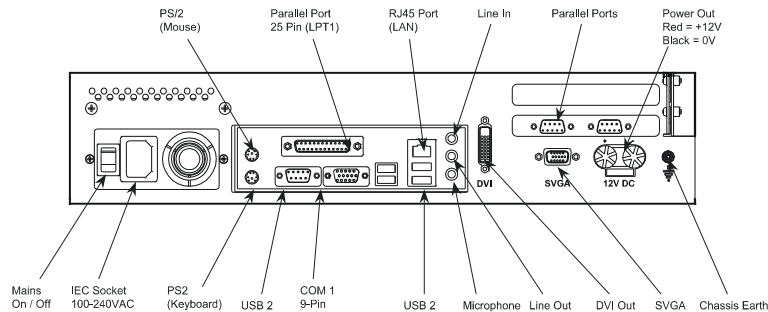
Features include a front-mounted software key port for when access to the rear of the unit is restricted by rack mounting or portable configurations.

### Key Features

- Intel® Core 2 Duo® processor
- Dual screen (SVGA and DVI)
- Shock mounted hard drive
- Ethernet or Serial I/F to NCU
- Front mounted software key
- DVD reader / CD writer
- Only 2U high and 384mm deep

# Specifications

## Navigation Computer



Feature	Type 8026	
General	Intel® Core 2 Duo® 1.83Ghz T5600 processor	
RAM	1Gb	
Hard Disc	80Gb	
Drives	1.44Mb Floppy Drive, DVD Reader/CD Writer	
Ports	1x SVGA, 1x DVI, Dual Video Output (Dual Screen or Clone Screen) 6x USB (2x Front, 4x Rear), 1 x Printer Ports (Front), 4 x Serial Ports (Optional Additional 2 serial ports), 1x Keyboard, 1x Mouse, 1x Speaker, 1x AUX In	
Network	2 x 1Gbps Ethernet	
Power Supply	Auto sensing AC input voltage 100-240V, 50-60Hz Max current 1.5A @ 240V, 60W / 12 VDC out (LCD Monitor) Ave. operating current: 0.63A @ 240V	
Environmental Specifications	Operating	0° to 35°C (35° – 95°F)
	Storage	-40° to 65°C (-40° - 149°F)
	Relative Humidity	20% - 80% (non-condensing)
	Shock	10G acceleration peak to peak 5-17Hz, 0.1" Double amplitude displacement 17-640Hz, 1.5G acceleration peak to peak
Safety	Complies with EN61010-1	
EMC	Complies with Immunity & Emission requirements of EB60945	
Dimensions (LxWxH)	384mm (15.1") x 482mm (18.9") x 88mm (3.4")	