**DiNIS™**

Diver Navigation and Imaging System

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**TOP-SIDE PC OPTION**

**PRODUCT SPECIFICATIONS**

### DESCRIPTION

**DiNIS™** operates with Top-Side Mission Planning and Post-Processing Software and multiple 3rd party and Windows tools. This software is utilized for Dive Mission Planning, Analysis, and Reporting.

Several Options are available for top side platforms. For Military end users, particularly EOD, UDT/SEAL, Recon, and other special operators, we recommend the Ruggedized “Dell Latitude 14 Rugged Extreme”. This Laptop PC is a ruggedized Mil-Std PC intended for harsh environments. Qualified as IP-65, and Mil-Std 810G tested, the PC is installed in a specialized Kenautics enclosure Pelican Case with 1 TB disc storage and interfaces to the removable Disc drives used with **DiNIS™**, resulting in IP-67 protection (case closed).

Kenautics recommends the Rugged Extreme Laptop, with upgraded i7 processor, for all diver operations carried out on RHIB and small surface craft.

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**All Specifications are manufacturer specific and subject to change without notice.**

**Processor**

Intel® Core™ i7 vPro processor (Dual Core, Min. 2.6 GHz, 4MB cache)

**Operating System**

Windows 10, 64-bit English/French

**Memory**

16GB (Std) (1x16GB) DDR4 Mem (opt 4, 8GB)

**Hard Drive**

256GB, 512GB or 1 TB (Std.) Solid State Drive with external Connectivity for DiNIS SSD Drive

**Graphics Card**

Intel® Integrated HD Graphics

**Display**

14.0” HD (1366x768) Outdoor-Readable Resistive Touchscreen

**Wireless**

Intel® Dual Band Wireless-AC 7260 802.11AC Wi-Fi + BT 4.0 LE Wireless Card

**Primary Battery**

6-cell (65Wh) Lithium Ion battery with ExpressCharge™
**DiNIS™ Detailed Specifications:**

<table>
<thead>
<tr>
<th>Warranty</th>
<th>The recommended Dell Latitude 14 Rugged Extreme Laptop provides superior power and performance for processing and displaying mission planning and analysis data using Kenautics Top side Multi-asset, multi-diver, Survey, Mission Planning, Processing, software can display many divers per mission at the same time.</th>
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<tr>
<td><strong>Ports, Slots &amp; Chassis</strong></td>
<td>Ports: USB 3.0 (2), USB 2.0 (2), native RS-232 serial ports (2), RJ-45 gigabit Ethernet network connectors (2), stereo headphone/microphone combo jack, pogo-pin docking connector, VGA, HDMI Slots: Memory card reader; ExpressCard 54 mm or PCMCIA; M.2 slots (2 internal); Optional DVD+/−RW</td>
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| **Dimensions and weight** | Dimensions: (WxDxH) 14.0” x 9.7” x 2.03” (356 x 247 x 52 mm)  
Weight: Starting at 7.79 lbs. (3.54 kg) with 6-cell battery and no optical drive |
| **Regulatory** | Regulatory model: P45G  
Regulatory type: P45G001 Energy Star 6.0, EPEAT  
MIL-STD-810G testing: Transit drop (72”,60”,48”; single unit; 78 drops), operating drop (36”), blowing rain, blowing dust, blowing sand, vibration, functional shock, humidity, salt fog (optional with rubberized keyboard), altitude, explosive atmosphere, solar radiation, thermal extremes, thermal shock, freeze/thaw, tactical standby to operational |
| **Operating thermal range:** | -20°F to 145°F (-29°C to 63°C);  
**Non-operating range:** -60°F to 160°F (-51°C to 71°C) |
| IEC 60529 ingress protection: | IP-65 (dust-tight, protected against pressurized water)  
Hazardous locations: ANSI/ISA.12.12.01 certification capable (Class I, Division 2, Groups A, B, C,D)  
Electromagnetic interference: MIL-STD-461F certified3 |

**CONTACT**

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