

# HG | 270



## FEATURES

- 320 x 240 Landscape QVGA with Integral Touch Screen, "Super-Sunlight" readability outdoors and indoors
- Microsoft® Windows® CE 6.0 Release 3 with Silverlight®
- Marvell® XScale® PXA270 Processor - 624MHz
- 256MB SDRAM Standard 4GB FLASH (up to 32GB)
- Optional Integrated Printer
- Industry first FasTap 3D Alpha-numeric Keypad
- Integrated WLAN 802.11b/g and Bluetooth®
- Integrated Precision GPS and WWAN (GSM/GPRS standard. UMTS/HSDPA, CDMA available)
- Dual Smart Battery System 40+ Hours Battery Life
- 5MP True-Camera-System captures color images and bar codes with integrated Xenon® True-Flash-System for low light conditions
- Ultra-Rugged IP67 Rated for protection against dust and water MIL-STD 810G
- Drop and Shock Protected MIL-STD 810G
- PACK Optional: Your design or ours
- Hand Strap
- Completely Customizable

## HG | 270 THE ONLY ALL-IN-ONE COMPUTER SOLUTION

With its ultra-rugged go-anywhere exterior HANDGEAR® HG-270 is loaded with all the tools your workforce requires to get the job done efficiently. Reliably capture images and scan bar codes . . . all with one powerful, fully integrated mobile computer. As with all Two Technologies rugged hardware, HG-270 is fully customizable from case color and application launch keys to exterior booting and logos.

HG-270 features a True-Camera-System with a 5MP color camera with fully integrated Xenon® Flash for low lit environments. The new Distress Safety System with integrated Distress Key and Breakaway Neck/Shoulder Strap, with sense switch and loca-

tion based automatic distress signaling, empowers field workers with unprecedented safety features. HG-270 is even equipped with a magnetic compass for detection of travel direction and absolute unit orientation. The HG Expansion PACK System is compatible with the Hydrus PACK interface for the addition of standard and custom hardware including RFID, radios and metrology. HG-270 is ideal in demanding applications such as Public Safety, Parking Enforcement, Survey, Forestry and Military applications.

Future proof your application with a product that has taken proof and user safety to new levels.

## UNPRECEDENTED USER SAFETY FEATURES

- 3D Accelerometer for detection of unit movement, shock and orientation
- Distress Safety System with Integrated Distress Key and breakaway strap with sense switch and location based automatic distress signaling.
- Magnetic Compass for detection of travel direction and absolute unit orientation



Utilize the PACK to implement custom hardware such as temperature probes, proprietary radios, and meters



MADE IN THE U.S.A.



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# SPECIFICATIONS

<b>OPERATING SYSTEM AND PROCESSOR</b>	<ul style="list-style-type: none"> <li>Microsoft® Windows® CE 6.0 Release 3 with Silverlight®</li> <li>Marvell® XScale® PXA270 Processor - 624MHz</li> </ul>
<b>MEMORY &amp; MASS STORAGE</b>	<ul style="list-style-type: none"> <li>4GB Internal FLASH Storage (expandable to 32GB or higher optional)</li> <li>256MB SDRAM Standard (30MB+ used for OS)</li> <li>SD Expansion slot accessible through the battery compartment</li> </ul>
<b>INTERFACE</b>	<ul style="list-style-type: none"> <li>Mini USB 1.1 A/B (Host and Client) Full Speed</li> </ul>
<b>WIRELESS CONNECTIVITY</b>	<ul style="list-style-type: none"> <li>Internal WWAN with choice of technologies (GSM/GPRS standard, UMTS/HSDPA, CDMA available) GPRS SIM Card is accessible through the battery compartment</li> <li>SDC-MCF10G Radio - Summit Data Systems™ (Wi-Fi CERTIFIED™, Certified for WPA-Personal, WPA-Enterprise, WPA2-Personal, and WPA2-Enterprise- Certified for Cisco® Compatible Extensions Version 4 (CCX V4))</li> <li>Bluetooth® - Class 2 Version 1.2</li> <li>Integrated Internal Antennas</li> </ul>
<b>INTEGRATED PRECISION GPS</b>	<ul style="list-style-type: none"> <li>Integrated uBLOX GPS with SuperSense and KickStart</li> <li>50-channel uBLOX 5 engine for great accuracy and super low SNR performance</li> <li>Engine Supports SBAS (WAAS, EGNOS, MSAS, GAGAN)</li> <li>Data Protocols Supported: NMEA 0183 and UBX</li> </ul>
<b>BATTERIES AND POWER MANAGEMENT</b>	<ul style="list-style-type: none"> <li>World's largest battery capacity of 37 WATT-hours</li> <li>40+ hours typical operational time</li> <li>3 hour recharge time</li> <li>Smart Battery System</li> <li>Dual Lithium Ion Extended Capacity Rechargeable Batteries 5000 mAh, 7.4V</li> <li>Recharge/line power: 12 to 18 VDC, 36 WATTS</li> <li>Ambient Light Sensor for automatic power management</li> <li>One stationary, one changeable battery</li> </ul>
<b>ENVIRONMENT</b>	<ul style="list-style-type: none"> <li>Storage temperature: -30° to +60°C (no batteries installed)</li> <li>Operating temperature: -20° to + 50°C</li> <li>Charging temperature: 0° to + 40°C</li> <li>Humidity: 5-95% (non-condensing) (all to MIL-STD 810G)</li> </ul>
<b>DISPLAY</b>	<ul style="list-style-type: none"> <li>320 X 240 Landscape QVGA with Integral Touch Screen</li> <li>"Super-Sunlight" readability outdoors and indoors</li> </ul>
<b>KEYPAD</b>	<ul style="list-style-type: none"> <li>FasTap 3D alpha-numeric keypad</li> <li>Shear-proof hard keys</li> <li>"Real-Feel" keyboard technology</li> <li>Glove and weather friendly ergonomics</li> <li>Backlit and fully customizable for intuitive operation</li> </ul>
<b>STYLUS HOLDER</b>	<ul style="list-style-type: none"> <li>Integrated into boot</li> </ul>
<b>RUGGEDNESS</b>	<ul style="list-style-type: none"> <li>Water Immersion and Dust Protection: IP67 - water-tight, dust tight, 8 hours continuous 75 um particles (MIL-STD 810G)</li> <li>Drop and Shock Protection: 26 drops 1.2m all faces, corners and edges per (MIL-STD 810G)</li> </ul>
<b>REGULATORY</b>	<ul style="list-style-type: none"> <li>FCC Part 15</li> <li>CE</li> <li>IC</li> <li>RoHS Compliant</li> <li>WEEE</li> </ul>
<b>DEVELOPMENT TOOLS</b>	<ul style="list-style-type: none"> <li>Development Environments: Visual Studio® 2008 (Visual C#®, Visual C++®, Visual Basic®, Supports .NET CF 3.5)</li> <li>Developers Kit: Manuals, SDKs, Utilities for device specific features and functions, code examples</li> <li>eye•WARE™ Software Suite</li> </ul>
<b>ENHANCED SOFTWARE OPTIONS</b>	<ul style="list-style-type: none"> <li>Mobile Remote Device Management(add-on)</li> <li>Terminal Emulation</li> <li>Transcriber</li> <li>Screen Capture</li> </ul>
<b>WARRANTY</b>	<ul style="list-style-type: none"> <li>3 Year Warranty (extended warranties available)</li> </ul>
<b>BAR CODE SYMBOLOGY</b>	<ul style="list-style-type: none"> <li>Code 128</li> <li>Code 39</li> <li>Code 2 of 5</li> <li>EAN-13</li> <li>PDF417 (2D Code)</li> <li>UPC (call for complete list)</li> </ul>
<b>TRUE-CAMERA-SYSTEM</b>	<ul style="list-style-type: none"> <li>5.17 MP color CMOS Sensor - 4 megapixel processed</li> <li>Xenon True-Flash-System</li> </ul>
<b>MULTIMEDIA</b>	<ul style="list-style-type: none"> <li>Integrated Speaker and Microphone</li> </ul>
<b>OPTIONAL</b>	<ul style="list-style-type: none"> <li>Expansion PACK system compatible with Hydrus PACK interface for additional standard and custom hardware systems such as temperature probes, proprietary radios, RFID, and meters</li> </ul>



## Integrated Precision GPS

With optimum antenna position for sky visibility and user operation, the HG-270 cutting-edge Horizontal Positioning accuracy, 2.5m CEP, and Fastest Time-To-First-Fix in the market with the highest sensitivity for hot and aided starts.

**Customize your colors and keypad graphics and add your logo for a truly intuitive and branded solution.**

## DIMENSIONS (approx.)

- Height:** 6.75 in. (171.45 mm) (not including handle)
- Width:** 8.25 in. (209.55 mm)
- Depth:** 2.25 in. (57mm) with printer 3.75 in. (95.25 mm)
- Weight** with 2 rechargeable batteries: 2.52 lbs (40.32 oz), printer adds 8.5 oz