PRODUCT SPEC SHEET
ZEBRA HC1 HEADSET COMPUTER

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REDEFINING HOW WORK GETS DONE

Imagine instantly accessing and viewing business critical documents and complex schematics with just a simple voice command or turn of your head; or to quickly and simply collaborate with remote team members. No hands, laptop or fixed mobile workstation required. That's the power of the HC1 Headset Computer from Zebra. This exciting new class of mobile computing device delivers true hands-free capabilities to a wide variety of industries. With HC1, users can be more productive at the point of activity, work more efficiently and safely — whether they're in a tight space, in a remote location or working high above the ground.
The HC1 changes how work gets done.

We're Turning Mobile Computing on its Head

Our HC1 Headset Computer is a rugged mobile computer with an adjustable optical micro-display that provides a view equivalent to a 15-inch laptop screen. It allows users access to critical documents, videos and photos, with information displayed just below their line of sight. It's perfect for workers who need big-screen device capability to view highly complex graphical data or schematics in work environments where carrying a laptop or tablet is not feasible, safe or convenient.

Powerful Performance

Designed with an OMAP3 Dual -Core Processor, the HC1 offers fast and reliable performance.

- Microsoft Windows CE 6.0 Professional
- WLAN (802.11 b/g), Bluetooth 2.1 with EDR, and USB connectivity
- Full color, SVGA, Transmissive TFT (800 x 600) micro-display; full virtual 15-inch monitor positioned below your line of sight. User configurable for left or right eye dominance
- Advanced speech recognition software with noise cancelling supporting up to 6 languages
- Integrated 9-axis head-tracking technology with a digital compass
- 3D graphics accelerator

USE THE HC1 TO:

- Access manuals, diagrams, or schematics by voice or head gesturing
- Send real-time video or images to remote experts
- Complete inspection reports and document work by voice
- View on-site training videos and 3D simulation
- Use augmented reality to overlay instructions

THE HC1 IS OPTIMALLY DESIGNED FOR:

Responds to a Voice Command or Tilt of the Head

The HC1 has advanced speech recognition and natural language software that supports six languages for responsive application command and control. Dual bi-directional noise-cancelling microphones and near-ear loudspeaker — which can be replaced with noise-isolating ear buds — keep communications loud and clear. The headset's powerful accelerometer and digital compass deliver smooth gesture control and accurate direction and position orientation for smooth navigation through applications.

Stylish Ergonomics

The weight and balance of the HC1 are optimized for hours of comfortable use. By design you can configure the micro-display and near-ear loudspeaker depending on your needs. Adjustable straps provide a custom fit and removable comfort pads can be cleaned or replaced, allowing one device to be used by multiple workers.

Powerful on its Own, or When Connected to a Wider Network

When connected via local Wi-Fi or a Bluetooth connection to a Zebra MC75A, MC65, ES400, smartphone, or mobile hotspot, the HC1 allows the push and pull of data between the headset computer and remote networks. The headset form factor gives workers the hands-free convenience to handle multiple tasks, while quickly accessing the correct information, improving work efficiency and productivity.

Multiple Data Entry Options

The HC1 supports a variety of encrypted Bluetooth-enabled data entry options, making it a dynamic, highly customizable tool. Data can be input via Bluetooth ring or hand-held scanners — specifically Zebra's RS507 ring imager, CS3070 key fob or DS3578 hand-held imager — or through the use of a virtual on-screen keyboard as part of the OS Image.

An Interactive Link to Remote Experts

If budget or resource limitations prevent experts from traveling to a job site, the HC1 Headset Computer provides a cost-effective alternative. When connected to the network and using the optional camera accessory, mobile workers can transmit pictures or videos, allowing experts to see what they see and respond immediately without interrupting work flow.

Accessory Interface and Available Options

A modular accessory interface for USB connectivity makes the addition of peripherals as simple as snapping them on. For example, the camera can be attached to the accessory interface and then swapped for another peripheral as needed. In addition, the HC1 Headset Computer features a wide assortment of accessories including, a single unit charging module (wall & vehicle), 4-slot battery charger, carrying cases, ear buds, pads and straps that help customize the HC1 to meet specific operational needs.

- Field Service Technicians and Installers
- Industrial or Military Mechanics (Vehicles, Electronic Systems and Machinery)
- Utility Repair Technicians
- Telecommunications Line Workers
- Manufacturing Line Workers and Engineers
- Construction Managers, Field Engineers and Architects

EMPOWER YOUR WORKFORCE WITH HANDS-FREE MOBILITY.

With better information, you get better results. Our products provide the type of real-time data sharing and versatility that empower your workforce and transform your enterprise.

For more information, please visit us on the web at **www.zebra.com/hc1** or access our global contact directory at **www.zebra.com/contact**

SPECIFICATIONS CHART

PHYSICAL CHARACTERISTICS

Dimensions:	Designed to fit a wide range of users from 5th percentile female to a 95th percentile male head size
Weight:	23.6ozs/670g with standard battery (Camera Module not included) 25.7ozs/730g with extended life battery (Camera Module not included) Camera Module:

USER ENVIRONMENT

Operating Temp. Range:	14° to 122°F (-10° to 50°C)
Storage Temp. Range:	-40° to 158°F (-40° to 70°C)
Drop Specification:	4ft./1.2m to concrete across operating temperature per MIL-STD-810
Tumble Specification:	500 tumble (1000 hits) @ 1.64 ft./0.5m

	(4.4ozs/125g)
Display:	Full Color, SVGA, Transmissive TFT (800 x 600) Micro-Display with an Adjustable Backlight; anti-scratch / anti-glare coated Field of View: 32 degrees (diagonal) Virtual image size: 15 inch
Voice Recognition:	98-99% accuracy, natural language software (No learning required), supports 6 languages (English, French, Italian, German, Spanish, and Portuguese)
Noise Cancellation:	Active, ambient noise-cancellation (Dual Microphones)
Gesture Control:	9-axis tracking and gesture module (accelerometer, gyroscope, and digital compass)
Communications Interface:	Mini-USB Connector – USB OTG host (100mA)/client Accessory Interface Connectors – Two USB 2.0 EHCI High Speed (400mA) (cannot be used simultaneously)
Notification:	LED (Suspend and Battery Charge Status)
Audio:	User Removable Near-Ear Loudspeaker Module Built-in Dual Microphones
User Programmable Buttons:	Two
Expansion Slot:	User accessible microSD card slot (Support for up to 32 GB)

PERFORMANCE CHARACTERISTICS

CPU:	Texas Instruments OMAP 3730 Series Dual-core Processor, 800 MHz, 3D Graphic Accelerator
Operation System:	Microsoft Windows CE 6.0 Professional Memory: 512MB RAM; 512MB Flash

COMMUNICATIONS

WLAN:	802.11 b/g
WLAN Security:	WPA, WPA2 and WEP
WPAN:	Bluetooth 2.1 with EDR
Supported	Discovery & Connect, HID,

Sealing:	IP65
Vibration:	2Gs peak, 5Hz to 2kHz, 1 hour duration per axis
ESD:	±15kV air discharge, ±8kV contact discharge (Relative Humidity 50%)
Humidity:	5% to 95% non-condensing

POWER

Standard Battery:	Rechargeable Lithium Ion 3.7V, 1950 mAh
Extended Life Battery:	Rechargeable Lithium Ion 3.7V, 4800 mAh

PERIPHERALS AND ACCESSORIES

Camera:	2MP Wide Angle Fixed Focus, Configurable Video from 1080p (@30 fps)
Data Capture:	RS507 – Hands-Free 1D/2D Imager – Cordless CS3070 – 1D Laser Scanner
Charging and Communications:	Single Unit Charging Module Vehicle Charge cable Wall Power Supply 4-slot battery charger USB Sync Cable
Miscellaneous:	Soft Carry Case Ear buds Replacement Head Strap and Neck Pad

REGULATORY

For Regulatory information, please visit: www.zebra.com

WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the HC1 is warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment.
For complete warranty statement, go to: www.zebra.com/warranty

Profiles: COM (SPP), BT PAN-Adhoc,
BT PAN-AP, Handsfree,
OBEX FTP, PBAB

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