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First Responders with the latest Technologies and Innovations.



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True-Rugged
On the Go Technology

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x86 HandHeld & Micro Wearable Computers

Mobile Rugged Technologies H2-5000 Hand-Held and the WC-1000 Wearable Computer are the latest innovation of the next-generation mobile computing, that's just being introduced to the military and industrial market.

These new Small, Light Weight, Powerful Units are designed for the demanding "Big Data" market on the battlefield or challenging environment areas where Mil-810 and IP68 to 5+ meter standards are required.

With impressive size of 3.6"W x 6.25"H x 2.9"D, H2, and 3.6"W x 6.25"H x 1.95"D, WC, these units provide the most powerful and versatile alternative to industrial or military laptop and tablet computers. They run x86 processors in 32 or 64bit environments, with up to 4GB of RAM, for full OS implementations like Windows XP Pro, 7, 8 or Server 2012, as well as Unix and Linux OSs.

These micro devices simultaneously support three Solid State Drives (SSDs), including On-Board up to 32GB, internal mSATA up to 240GB and a removal 2.5 drive capable of 1TB (or current technology sizes). The standard hardware is equipped with phone type sensors and wireless features, Ambient Light, Proximity, IR, Humidity, Temperature, Gyro, Accelerometer, GPS, WIFI, Bluetooth and Optional GSM. All external I/O ports are sealed behind water sealing covers, including: USB 3 A receptacle, HDMI HD video, Mic & Audio 3.5mm jack, SMB RF jack, Micro SD, Micro SIM and a Standard Power 2.5mm Barrel jack.

This Micro device does not stop there. The user can exploit the unit's internal Mini PCIe carrier to add additional electronic features. Also, the bottom porting connector module can be custom configured with the customer's required external connectors, utilizing the unit's secondary backup I/O port interfaces (HDMI, Mic and Audio, USB, External Power VGA, RS232 and 1000 Ethernet). All of this in a RUGGED handheld or wearable computing solution.



H2-5000

5" Display Handheld Computer



H2-5000

System

OS	Windows XP, Windows 7, Windows 8, Windows Server, Linux
CPU	Atom D2550, Dual Core 64Bit @ 1.86GHz, AMD T40N, Dual Core 64Bit @ 1.00GHz,
Memory	Up to 4GB LP DDR3-1066
Storage	On-Board up to 32GB, mSATA up to 240GB, 1 Quick Removable SATA 2.5" HD Port

LCD Display /Touch Screen

Size/Type	5.0" Active Matrix TFT
Max. Resolution	800 x 1024 full color / 450:1 contrast ratios
Luminance	350 Nit
Touch Screen Type	Projected Cap 10 Point Touch
Cover Glass	1.5 mm / Anti Glare and Hard-Coated

Power Supply

Adapter Input	100 ~ 240VAC
Adapter Output	12VDC, 3A
Battery Type	Li-Ion-battery Pack Quick Swappable
Battery Capacity	1 x 12v 2500mAh 3-Cell

Mechanical & Environmental

Dimensions (W x D x H)	3.6" x 6.25" x 2.9"
Gross Weight	1.5 lb
Design STD	Mil-STD 810F / 461E Compliant
IP Rating	IP68 Compliant
Cooling	Fan Controlled and Fanless (Determined per CPU Type)

Options/Customizations

H2 & WC External Porting Connector:

Video	9-28VDC
	HDMI HD & VGA
Communication	Ethernet 1000 / USB 2 / RS232
	HD Audio Mic & R&L Speaker



Notes: The H2 & WC porting connector option is fully customizable. The unit's ports, as listed above, are available in customer requested connector types.

COTS Option: Hirose industrial circular connector Assy.

Special Order Options: Industrial Micro-D, Amphenol Mil Standard Micro-D, SCE, 2M800, 801 & HD38999, and GLENAIR Mighty Mouse 800, 801

H2 & WC Mounting Bracket:

Notes: The H2 & WC has mounting threaded holes to add straps or bracketing to allow the mounting or holding the unit on a person, or mounting wall or vehicle. Ask your representative about this option.

Devices/Sensors

Wi-Fi	WLAN 802.11 b/g/n module
Bluetooth	Integrated Bluetooth 2.0 + EDR
GPS	Optional
GSM/UMTS	Optional
Gyro	Intergrated 3-axis Gyro Sensor
Acceleromter	Intergrated 3-axis Accelerometer Sensor
Sensor 1	Outside Humidity Temperature
Sensor 2	Ambient Light, IR, Proximity
Expansion	3 x Mini PCI express Slot

External Sealed Ports

Power	2.5mm Barrel jack 9-28VDC
Video	HDMI HD
Communication	SMB RF Connector
USB Port	1 x USB A Recp
Micro Port	SIM / SD
Mic/Audio	3.5 mm jack

Button & Indicator

Function Key	7 x Function keys
System	2 x System state status indicators

WC-1000

Wearable Computer

WC-1000

System

OS	Windows XP, Windows 7, Windows 8, Windows Server, Linux
CPU	Atom D2550, Dual Core 64Bit @ 1.86GHz, AMD T40N, Dual Core 64Bit @ 1.00GHz,
Memory	up to 4GB LP DDR3-1066
Storage	On-Board up to 32GB, mSATA up to 240GB, 1 Quick Removable SATA 2.5" HD Port

Power Supply

Adapter Input	100 ~ 240VAC
Adapter Output	12VDC, 3A
Battery Type	None
Battery Capacity	None

Mechanical & Environmental

Dimensions (W x D x H)	3.6" x 6.25" x 1.9"
Gross Weight	1.0 lb
Design STD	Mil-STD 810F / 461E compliant
IP Rating	IP68 compliant
Cooling	Fan Controlled and Fanless (Determined per CPU Type)

Button & Indicator

Function Key	7 x Function keys
System	2 x System state status indicators

LCD Display

Size/Type	4 Line Status Display
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Devices/Sensors

Wi-Fi	WLAN 802.11 b/g/n module
Bluetooth	Integrated Bluetooth 2.0 + EDR
GPS	Optional
GSM/UMTS	Optional
Gyro	Intergrated 3-axis Gyro Sensor
Accelerometer	Intergrated 3-axis Accelerometer Sensor
Sensor 1	Outside Humidity Temperature
Sensor 2	Ambient Light, IR, Proximity
Expansion	3 x Mini PCI express Slot

External Sealed Ports

Power	2.5mm Barrel jack 9-28VDC
Video	HDMI HD
Communication	SMB RF Connector
USB Port	1 x USB A Recp
Micro Port	SIM / SD
Mic/Audio	3.5 mm jack



Options/Customizations

H2 & WC Color:

Standard Color: Black on Black
Optional with Min Orders: Olive Drab on Black, Brown on Black and Yellow on Black

H2 & WC 2.5" Port:



Note:

The H2 and WC 2.5" Port is located on the top of the unit:

Standard Option: Removable SATA 2.5" SSD or HDD.

Custom Option: The port is equipped with connectivity to support USB or Mini PCIe custom 2.5" modules.

H2 and WC are highly customizable making it the perfect solution for a wide variety of functions. It offers the perfect blend of ruggedization, performance and expandability for today's military and industrially demanding needs.