



Demanding More from Wireless Sensing



MODEL

## EV3-HHI-M

### DESCRIPTION

## Hand Held Interrogator Module

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In the EV3 solution set, the hand-held interrogator capability can be achieved by attaching this EV3-HHI-M clip-on-module onto the Bartec MC 9090<sup>EX</sup> hand-held computer. By extending upon the highly functional MC9090 platform, this ISO 18000-7 capable clip-on-module yields a field-robust, and non-incendiary hand-held platform through which the rest of the EV3 network can be read, monitored and managed. Where the end-user already has the hand-held computers on hand, addition of this EV3-HHI-M module is a highly cost-effective, yet powerful solution path to enhancing the network's visibility and capabilities.

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With the EV3 family of products, it has never been easier and more cost-effective to dramatically increase visibility of assets in-transit through a complex supply-chain, monitor security breaches, and provide a more reliable and timely supply network.

The EV3-Series of hardware products is designed to provide dramatically improved functionality at a much more attractive price point than was attainable by previous conventional Active RFID design approaches. With the judicious use of Integrated Sensor and ASIC technologies, improved sensing and other value-added capabilities have been included across the family of products, while still improving the size, power consumption, and end-user cost of our hardware products. Consequently, any supply-chain management network built on these devices will enjoy an improved ROI along with significantly enhanced functionality, visibility, and security control. Additionally, products in the EV3 family are fully compliant and interoperable within the ISO 18000-7 standard and DoD RFID Equipment Guidelines.



<b>Model</b>	<b>Hand-held Interrogator Module EV3-HHI-M</b>
<b>Supported RFID Tag Protocols</b>	ISO 18000-7:2008 + DoD 18000-7 RFID equipment guidelines
<b>Frequency</b>	433.92 MHz
<b>Range</b>	250 feet
<b>Data Rate</b>	27.7 KHz
<b>Antenna</b>	Whip antenna (seen in picture)
<b>Weight</b>	9.2 oz (260.8g)
<b>Certifications</b>	FCC part 15.231, 15.240, HERO, UL 1604

<b>Model</b>	<b>EV3-HHI-M with Bartec MC-9090<sup>EX</sup></b>
<b>Communications</b>	802.11a/b/g Bluetooth Ethernet (TCP/IP (RJ-45)) or USB when connected to adapter or cradle (EV3-HHI-M removed)
<b>Weight</b>	2.16lbs (1Kg)
<b>Dimensions</b>	10.25" L x 4.75" W x 7.7" D 26 cm x 12 cm x 19.6 cm
<b>Operating Temperature</b>	-20 C to +50 C
<b>Storage Temperature</b>	-40 C to +70 C
<b>Dust and Moisture</b>	IP 64
<b>Hazardous Environments</b>	MET Certified UL 1604 Class I, Division 2, Groups C, D, T4; Class II, Groups F, G, T4; Class III Division 2
<b>Memory</b>	64 MB RAM, 128 MB flash ROM for program and data storage
<b>Keyboard</b>	53 Key
<b>Data Capture</b>	Omn-directional image engine 1 and 2-D barcode scanning Captures images and signatures
<b>Operating System</b>	Windows Mobile 5.0
<b>Compliance</b>	FCC Part 15.240 and Part 15.231 IC certified RSS-210, HERO no restrictions EMI safe on any aircraft
<b>Graphical User Interface (GUI)</b>	Interrogator operation including all ISO 18000-7 commands, configuration data transfer management Barcode scanning and capture
<b>Software SDK</b>	PM J-AIT Common Abstraction Interface Java Library Version 2.5 implementation Evigia API SDK (C/C++/Java)



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### About Evigia

Evigia is the industry leader in utilizing integrated sensor and ASIC technologies to dramatically improve the functionality and cost of Active RFID hardware products. These advances allow significant improvement in the performance and cost of asset-management supply chains. The network's functionality, visibility, and security control are dramatically increased, while the underlying hardware products themselves benefit from smaller size, lower power consumption, and lower cost with our solution approach. The EV3-Series family of products are fully compliant and interoperable within the ISO 18000-7 standard. Let us show you how Evigia's solutions can improve your supply chain networks.