



Demanding More from Wireless Sensing



MODEL

EV3-HHI-PAB

DESCRIPTION

Passive/Active/Barcode Hand-Held Interrogator

Achieve the complete inventory, tracking and identification of mobile shipments with the EV3-HHI-PAB reader system. Combining the industry-leading EV3-HHI-M active mobile RFID platform with the versatile MC9090g RFID passive handheld reader, delivers integrated passive RFID, barcode scanning and 2-way wireless communication with highly-functional active RFID systems. This mobile platform enables the contents of a shipping container that use either barcode labels or passive ID labels to be read, gathered, and directly recorded into an active RFID tag included with the shipment, providing unprecedented levels of information and automation. Complete inventories and manifests are electronically stored and included with the shipment for easy retrieval at the destination. When you want performance, extended wireless range, reliability, sensing and security capabilities of active tags added to your passive network, the EV3-HHI-PAB provides a very cost-effective, yet powerful solution.

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.

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. Additionally, products in the EV3 family are fully compliant and interoperable within the ISO 18000-7 standard and DoD RFID Equipment Guidelines.



Model	Hand-held Interrogator Module EV3-HHI-PAB
Supported RFID Tag Protocols	ISO 18000-7:2009 + DoD 18000-7 RFID equipment guidelines
Frequency	433.92 MHz
Range	250 feet
Data Rate	27.7 KHz
Antenna	Whip antenna (seen in picture)
Weight	9.2 oz (260.8g)
Certifications	FCC part 15.231, 15.240

Model	EV3-HHI-PAB with MC-9090g RFID
Communications	802.11a/b/g Bluetooth Ethernet (TCP/IP (RJ-45)) or USB when connected to adapter or cradle (EV3-HHI-M removed)
Weight	2.75 lbs (1.25 Kg)
Dimensions	12.5" L x 4.75" W x 7.75" D 31.75 cm x 12 cm x 19.6 cm
Operating Temperature	-20 C to +50 C
Storage Temperature	-40 C to +70 C
Dust and Moisture	IP 64
Memory	64 MB RAM, 128 MB flash ROM for program and data storage
Keyboard	53 Key
Data Capture	Omni-directional image engine 1 and 2-D barcode scanning Captures images and signatures
Operating System	Windows Mobile 5.0
Compliance	FCC Part 15.240 and Part 15.231 IC certified RSS-210
Graphical User Interface (GUI)	Interrogator operation including all ISO 18000-7 commands, configuration data transfer management Barcode scanning and capture
Software SDK	Evigia API SDK (C/C++/Java)
Passive RFID	
Frequency	902 - 928 MHz
Range	0.2 - 10 ft
Supported Standards	EPC Gen 2 DRM



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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 wireless and sensing 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.