Active Fixed RFID Interrogator

EV3-AFI

EV3-AFI is a long range, omni-directional connectable device that when networked with other AFIs and other data collection devices forms the backbone of a low cost, yet highly functional and secure active RFID reader network. When used in conjunction with its corresponding EV3 family of active transponder tags, this reader network provides unprecedented visibility, asset management control, and security monitoring at price-points that were unattainable previously.

SPECIFICATIONS

RFID Protocol	ISO 18000-7:2008
Frequency	433.92MHz
Power	50-60 Hz, 100-250 VAC, 100mA max or 9-36VDC, 900mA max, 8Watts max
Range	350 feet unobstructed
Dimensions	11.875" L x 11.875" W x 3.43" D
Weight	5.56 lb (2.52Kg)
Operating Temperature	-30°C to +70°C
Dust / Moist	IP 64
Beeper	Audible beeper for tag location and status indication
Memory	512 MB RAM 1 GB Flash ROM, up to 4GB optional for program and data storage Custom applications can be implemented in reader
Compliance	FCC, HERO

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

WARNING: Changes or modifcations not expressively approved by the party responsible for compliance could void the user's authority to operate the equipment.

EVIGIA TAG READER INSTALLATION & COMPLIANCE INFORMATION

Information to the professional installer:

Pursuant to FCC Part 15.240 requirements, Evigia will provide the following information to the Professional Installer to ensure continued compliance with the operational restrictions in paragraphs FCC 15.240 (a) and (e) for TAG READERS operating under 15.240.

Use of this READER is restricted to the identification of the contents of commercial shipping containers. Operations must be limited to commercial and industrial areas such as ports, rail terminals and warehouses. These devices shall not be used for any form of voice communication. Furthermore, to prevent interference to Federal Government radar systems, these devices are not permitted to be employed within 40 kilometers of the following locations:

DoD Radar Site	Latitude	Longitude
Beale Air Force Base	39º 08' 10" N	121º 21' 04" W
Cape Cod Air Force Station	41º 45' 07" N	070º 32' 17" W
Clear Air Force Station	64º 55' 16" N	143º 05' 02" W
Cavalier Air Force Station	48º 43' 12" N	097º 54' 00" W
Eglin Air Force Base	30º 43' 12" N	086º 12' 36" W

Information to FCC Office of Engineering Technology:

Pursuant to FCC Part 15.240 requirements, Evigia will provide information on the locations where the READERS are installed to the FCC Office of Engineering and Technology to ensure continued compliance. The information provided to the Commission shall include the name, address, telephone number and e-mail address of the user, the address and geographic coordinates of the operating location, and the FCC identification number of the device. The material shall be submitted to the address at the bottom of this page.

Information to the End User:

As the end user of this device, you will be responsible for submitting updated information in the event the operating location of this READER changes after the initial installation. You must provide to the US Federal Communications Commission, your name, address, telephone number and e-mail address, the address and geographic coordinates of the operating location, and the FCC identification number of the device. The material shall be submitted to the following address:

Experimental Licensing Branch, OET
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554
ATTN: RFID Registration