EMPRESS™ 2.4GHz Active RFID Reader (POE version)

(Model: HKRAR-EMPOE)

Active RFID Reader

Introduction:

- EMPRESS™ Active Reader (P/N: HKRAR-EMPOE) has Power over Ethernet (POE) connection. POE is a technology for wired Ethernet LANs (local area networks) that allows the electrical current necessary for the operation of each device to be carried by the data cables rather than by power cords. Doing so minimizes the number of wires that must be strung in order to install the network. Once connected, the HKRAR-EM series instantly become part of the network.

- The result of using HKRAR-POE is lower cost, less downtime, easier maintenance, and greater installation flexibility than readers with traditional wiring.

- This 2.4GHz Active RFID Reader uses the advanced 0.18um CMOS IC, and is well-fitted for being a Data Collector.

- The Omni-directional antenna of EMPRESS™ can identify tags from all directions. Users can adjust the identification distance according to actual situation in order to make identification more accurate.

EMPRESS™ 2.4GHz Active RFID Reader

(P/N: HKRAR-EMPOE)

Power over Ethernet

Special Features:

- POE connection

- Easy and low cost installation

- Sensitive to Active RFID tag

- Long Range Identification

- Suitable for wide range of applications

Specification for **EMPRESS™** 2.4GHz Active RFID Reader (POE):

Direction	Omni-directional, standard rubber antenna
Range	30-50m indoor environment , 50-70m with line of sight
Frequency	2.4GHz--2.5GHz ISM
RF Output Power	0dBm
Sensitivity	-85dBm
Power	Power over Ethernet (POE)
Modulation	GFSK
Software Interface	.Net Platform, Xtractor^{TM}
Data Rate	1Mbps
Operating Temperature	-40~60 ℃
Operating Humidity	95%(Non-condensing)
Anti-collision	>100 tags in first read >200 tags shown within 3 sec
Interface	Cable Connection: RJ45 Plug, TCP/IP
Dimension	125mm * 108mm * 26mm

*Remarks:
Reading range is subjected to RF environment and RF power of tags, 100m is achieved in an open space using HKRAT-NT02 active tags which are placed 1m above ground.

Garrison™ Rugged 2.4GHz Active RFID Tag
(P/N: HKRAT-RT02)

Hussar™ Slim 2.4GHz Active RFID Tag
(P/N: HKRAT-NT02)

Product Certificates:

CE   FC

Company Awards:

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