EMPRESS™ 2.4GHz Active RFID Reader (RS232 Version)
(Model: HKRAR-EMSP)

2.4GHz Active RFID Reader

Introduction:

- EMPRESS™ Active Reader (P/N: HKRAR-EMSP) has comport interface and therefore has more stable performance. Through RS232 connection, the reader gathers and transmits data to the PC. Once powered, the HKRAR-EM series is instantly connected and become part of the network.

- EMPRESS™ is user friendly with a cross-platform. You can gather data and do analysis with different operation systems in an efficient way.

- 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.

Long Range Identification

EMPRESS™ 2.4GHz Active RFID Reader
(P/N: HKRAR-EMSP)

Special Features:

- Comport Interface (RS232)
- Sensitive to Active RFID tag
- Long Range Identification
- Suitable for wide range of applications
- Cross-platform

Specification for EMPRESS™ 2.4GHz Active RFID Reader (RS232):

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	500mA,5V, Power adapter
Modulation	GFSK
Software Interface	Comport Communication Protocol
Data Rate	1Mbps
Operating Temperature	-40~60 °C
Operating Humidity	95%(Non-condensing)
Anti-collision	>100 tags in first read >200 tags shown within 3 sec
Interface	RS232
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.

2.4GHz Active RFID Controller (P/N: HKRAC-EMCL)

With comport (RS232) interface, EMSP can efficiently work with a RFID controller. Wide range of applications such as access control system can be easily developed.

Product Certificates:

CE FC

Company Awards:

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