

EMPRESS™ 2.4GHz Active RFID Handheld Reader
Industrial-Grade, Touch-Screen, WiFi, Barcode
(Model: HKRAR-5080EM)



2.4GHz Active RFID Handheld Reader
(P/N: HKRAR-5080EM)

FUNCTIONS:

- 2.4GHz Active Transponder Reading
- Compatible Tag Models: Hussar™ / Garrison™ / Tempcorder™, etc.
- Windows CE Platform with Wifi, GPRS (Optional)

Introduction:

HKRAR-5080EM, is an Industrial-Grade Touch Screen Mobile Active RFID reader that comes with Windows CE.

Working as a desktop counterpart, EMPRESS™ 2.4GHz reader, HKRAR-5080EM talks to all HUSSAR™, GARRISON™, TEMPORDER™ tags in proprietary protocol.

It is suitable for mobile applications such as data gathering, asset tracking, access control and ticketing.



Garrison™ Responsive 2.4GHz Active Tag
(P/N: HKRAT-ZT02)



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



Empress™ 2.4GHz Active Reader
(P/N: HKRAR-EMWF)



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



Peripherals:

Cradle



CAR CRADLE



BLUETOOTH
PRINTER



GUN



GSM MODULE



BATTERY



Accessories:

- Cradle
- Battery charger
- Communication and charging cables
- Vertical-specific attachments

Product Certificates:



Company Awards:



Specification for EMPRESS™ 2.4GHz Active RFID Handheld Reader:

Physical Characteristics	
Dimensions	17.5 cm L x 7.4 cm W x 2.3 cm(3.2 cm) H
Weight	Standard configurations - 380g
Display	3.5" QVGA with backlight, TFT-LCD, 256K colors, 240 W x 320 L (QVGA size)
Touch Panel	Glass analog resistive touch
Main Battery	Lithium Ion 3.7V, 4400 mAh (rechargeable)
Backup Battery	Li-ion Polymer battery (rechargeable) 200mAh 3.7V,
Expansion slot	1 SD slot (with secure cover)
Network Connections	USB, host & client
Notification	Vibrator and LED
Keypad Options	24+1 Alphanumeric key, 2 scanner buttons, Power button,
Barcode Reader	ID, 2D (Optional)
Performance Characteristics	
CPU	Intel® Bulverde™ PXA270 520 MHz processor
Operating System	Microsoft® Windows™ CE .NET 5.0
Memory	128MB RAM/128MB ROM (Max 256MB)
Interface/ Communications	RS-232, USB 1.1
User Environment	
Operating Temperature	-20° C to 50° C
Storage Temperature	-30° C to 60° C
Humidity	95% non-condensing
Drop Specification	1.5M. drop to concrete, 6 drops per 6 sides 3 angles over operating temperature range
Wireless LAN Data Communications	
Interface	Wireless Connection: WI-FI, IEEE 802.11b/g
Bluetooth	Class II, v 1.2 (Optional)
GSM/GPRS,CDMA	Voice & data communication (Optional)
Data Capture Specifications	
Frequency	2.4GHz-2.5GHz ISM Active RFID
RF Output Power	0dBm
Sensitivity	-85dBm
Data Rate	1 Mbps
Modulation	GFSK
Software Interface	Xtractor™, .Net Platform
Data Rate	1Mbps

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