

EMPRESS HH (Model: HKRAR-EM02-HH)

PDA Handheld For Empress 2.4GHz

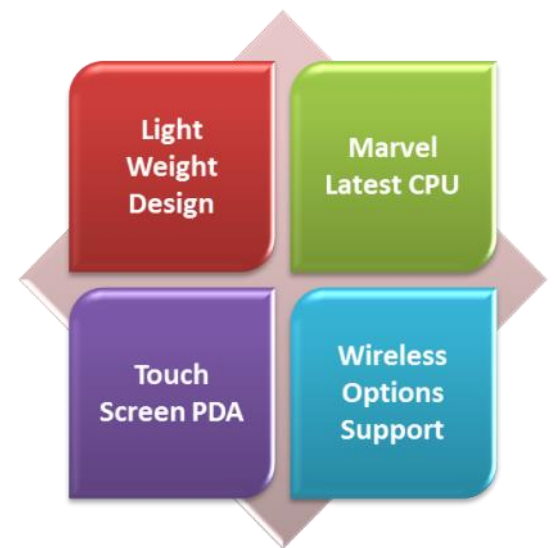
The Most Powerful Mix of Mobile Computation and Data Acquisition

Empress HH (PN:HKRAR-EM02-HH) is an all-in-one handheld 2.4GHz Active RFID reader with rugged industrial design. Specially manufactured to be in compact size and light weight, it provides great portability for users to carry to anywhere conveniently.

Empress HH works well with full range of Empress Active Transponders including **Hussar, Garrison and Tempcorder Series**, etc.

Equipped with the latest 2.4GHz Ultra low power RFIC, this reader has more advance control on **Gain** Setting (sensitivity). It reports important Transponder parameters such as **RSSI, Battery status, GPIO/LED status**, etc.

Its PDA-like keypad and touch screen input with versatile peripherals is very easy to operate and user-friendly. With its comprehensive design and excellent mobility, it provides a cost-effective choice and guaranteed performance for many industries.



Body Specification

Performance Characteristics	
Processor	Marvell™ PXA320 806MHz
Memory	256MB RAM / 256MB ROM
Operating System	Window CE 5.0
User Interface	<ul style="list-style-type: none"> • 25+1 Alphanumeric key, 2 scanner buttons, Power button • Hands Free Speaker • Microphone/Receiver • Headset Port
Standard Interface (Cradle)	<ul style="list-style-type: none"> • USB 1.1 Client (I/O port 20 pin) & host DC power input jack • RS232C interface • Ethernet RJ45 Option
Display	<ul style="list-style-type: none"> • 3.5" QVGA with Backlight, TFT LCD, 240 X 320 Pixel, 262, 144 Color • Stylus Touch Screen Interface
User Environment	
Operating Temperature	-10°C to 50°C
Storage Temperature	-30°C to 60°C (w/o Battery)
Humidity	95% non-condensing
Drop Specification	1.5 meters to polished concrete
Protection Standard	IP65 dustproof & waterproof
Physical Characteristics	
Dimensions (L x W x H mm)	158mm(L) x 78mm(W) x 28mm(H)
Weight	280g
Expansion Slot	1 Micro SD slot (SDHC support) / 1 SIM Slot / 1 SAM Slot
Power/ Battery Supply	<ul style="list-style-type: none"> • Lithium-ion 3.7V 3000 mAH (Rechargeable) Up to 2200 mAH , 4400mAH(option) • Lithium-ion 3.7V 4400 mAH (Rechargeable) for Gun Handle
Backup Battery	Lithium—Polymer 3.7V 100 mAH (Rechargeable)
Power Adapter	Input AC 100 ~ 240V / Output DC5V 3A
Notification	Vibrator and LED
Audio	Phone Receiver, Mono speaker, Ear jack
Port	Serial Port (RS-232), USB1.1 Host & Client Port, I/O port 20pins
Communication and Charging Cables	Syncable (20pin&USB v1.1) power/ charging cable
Wireless LAN	WLAN (802.11 a/b/g compliant)

RF Specification

RFID Characteristics	
Frequency	2.4GHz— 2.5GHz ISM Active RFID
Protocol	Proprietary, compatible with all series of Empress RFID active tags
Data Rate	1 Mbps
Modulation	GFSK
Sensitivity	Internal Antenna, -85dBm, Gain Adjustable, RSSI
Reading Range	30-50m depends on RF environment

Optional Items	
Barcode Engine	1D Laser or 2D Imager Scanner
Bluetooth	Bluetooth (Class II V2.1 + EDR)
Accessories/ Additional Items*	
GSM/GPRS	GSM/GPRS
HSDPA	HSDPA
Camera	Camera 3.0 Mega Pixel Focus with Flash
Case	Leather Case for body
Case	Leather Case for Gun Handle
GPS	D-GPS with Internal Antenna
Cradle I	Single slot cradle without Ethernet option
Cradle II	Single slot cradle with Ethernet option
Cigar Jack	Cigar Jack
*Remark: For more details about the above accessories/ optional items, please contact our sales representatives.	



Applications

With its rugged yet portable design, **Empress HH (HKRAR-EM02-HH) Handheld Reader** is suitable for many different industries and applications. The reader is able to provide high quality service in a wide variety of areas, such as logistics, pharmaceutical, hospital, access control, inventory management, assets monitoring, manufacturing process control, etc.



Warehouse Management
Inventory Management



Distribution Control
Package Control

Item Tracking
Property Identification



Company Awards:



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