HYINTECH

HY3800WU

UHF/HF/LF RFID Handheld Computer

WinCE & Android

Extreme Long Rang&Multi-Tag

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Since 2003

Exploit →

Specialized For Extreme Long Range & Multi-Tag Appliaction

1.HY3800W Advantage Exploit

1.1 UHF (860-928MHZ) RFID

1). Super High Speed & Multi-Tag Reading

2). Handheld with World's longest reading distance could be Above 15 Meters

3). Locating specific one within thousands of tags

4). Circular Pole Antenna Design

5). 60 Degree Reading Range & Remain Excellent in Low RF

6). Super Environmental Adaptation Capability

7). Low Power Consumption, Stable Long distance reading and performance

8). More lighter, and More easy for operator.

1.2 HF (13.56MHZ ISO15693) Handheld

1).World's Longest HF Handheld reading distance to 40cm

2).Super High Speed Multi-Tag Reading,

Next

1.3 Other Outstanding Features

 1).Optional **Android** & **WinCE** System

 2).Anti-1.2 Meter drop

 3).Stable Performance and **10 years** long working life

 4).Industrial and Ergonomics Design

 5).Wireless Charging Optional

2.HY3800W Specification

3.HY3800W Package

4.SDK Detail

5. Links for Download

6. Certification: FCC,CE,IEC60950

Next

1）Super High Speed & Multi-Tag Reading

»HY3800WU, Super high reading speed and with world leading Multi-Tag Anti-Conflict Method, Most sensive RFID System,Thousand tags read in few seconds.

»Expecially for Clothing Company, HY3800WU Solved the problem of missing reading of tags. Super High Speed, Accurate,and Efficiency

»HY3800WU Triple the reading speed of similar handheld computer in the market

»Ordinary Handheld could only scan at low speed, which bring problem in multi-tag reading. It will be always the tags missing, sometimes one or two, sometimes more. And It take much more longer time for searching all of tags than HY3800WU

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2）**Super long reading distance could Above 15 Meters**

»HY3800WU is with 6dbi circular Pole antenna, 30 dbm RF Power,and the most sensitive Chips & Design. Reading Distance could be 15 Meters above(Depends on tag and Enviroment)

»Long reading&writting distance is the key to make the system with small tags perform well.And to smooth the deployment, leaving more balance could make the whole system Stable, even you just need 2 or 3 meters.

 »Compare to ordinary handheld,HY3800WU is with Double and triple Distance

»In deployment of system, some of the system using the small size tag, which is with short reading distance. For ordinary handheld, can only read at very short distance, some of them even missing. Writing distance at 2/3 of Reading distance, missing rate of ordinary handheld in writing small card is high.

»Some of the handheld computer in the market, with small creamic antenna. Which is with RF Gain 2 or 3 dbi (1/3 of HY3800W), is unable to compare with our strong Hy3800W handheld. The capability is in big difference.

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3）Locating Specific One within thousands of tags

»HY3800WU is with strong Signal chasing system.

»Could get the signal strength value from specific one in thousands of tags. Chasing the signal, Could know exactly where that tag is.

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4）Circular Pole Antenna Design

»HY3800WU is with Circular Pole antenna, which means whatever vertical or horizontal reading distance will be the same. This is the most important Feature in Inventory Apllication,The more the tags, Circular pole is the more crucial.

»Some of the ordinary handheld using the polarization antenna, which seems reading distance is long, but change the tag in 90 degree, reading distance will be just in half.

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5）60 Degree Reading Range & Remain Excellent In Low RF

»If using ordinary Handheld, in deployment of system, always come up the situation of reading the tags, not supposed to read.

»For ordinary handheld, is capable to read the tags all around the handheld. Even right behind the antenna, reading distance of tag could still be long. Beside the antenna, tag could be read in certain distance too.

»For ordinary handheld, reading tags in small RF power will be very difficult, even unavailable.

»HY3800WU, narrow the range of reading greatly, and focus on 60 Degree reading range in Front. Perfectly solve this problem.

»For some of the application, you could just adjust HY3800WU to small RF power (like 10 db) with short reading distance, and sweep over the tags quickly; all tags could be read without missing. And the other patch of goods with tags beside will be out of the reading range.

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6）Super Environmental Adaptation Capability.

»In deployment of system, lots of things like environment could change the frequency of tags. When the tags were bended, frequency changed too. The UHF wave passing through the boxes, frequency changed. Ordinary handheld can just scan in a very

»narrow frequency which bring problem for the different performance in different environment.

»HY3800WU is with wide band, which make the reading of tags more stable.

Next

7） Low Power Consumption, Stable Long distance reading and performance.

»Some ordinary UHF handheld, said can be read at long distance, however, can just shown in Demo in short time. In deployment, you will find out, if using the long reading distance continuously working, battery will soon run out , some of device even stop the reading for the over heat protection. And when the battery power goes down, reading distance will be shorter, shorter and shorter.

»HY3800WU have no such problem above. HY3800WU, could operate with long reading distance, from full battery, to battery out, all stay the same performing.

»HY3800WU is with strong battery 7.4V 2600MAH, if in 3.7V, it's 5200mah. Could work for long time (Depends on specific application, ordinary, could work for more than 7 hours). Double than other UHF RFID handheld

Next

8）More Lighter, and More Easy for operator

»Who have used Similar UHF Rugged handheld, must got this experience. the worker always complain the weight of the UHF rugged handheld, said that is too heavy, and make their arm exhausted. Especially, the girls.

»HY3800WU have longer and stronger capability, longer working time,However , it's much more confortable to carry HY3800WU than other handhled, which no need to stretch their arm to be closed to the target, and it's more lighter to move.

Next

1）Longest HF 13.56MHZ ISO15693 Handheld

»HY3800WH with the world's most leading technology in HF RFID, capable to read tag (size 45cm *45 cm) at 38 cm, Stand Card Size tag at 40 cm.

»HY3800WU with super long reading&writting distance is the key to make the resolution work, like library and Jewelry management, especially the projects with Small tags.

»Ordinary HF (13.56MHZ) is with reading distance at around 7 cm, for some handheld ,Reading distance is shorter to around 4 cm.

Next

2）**Super High Speed Multi-Tag Reading**

»HY3800WH, Super high reading speed and with world leading Multi-Tag Anti-Conflict Method, More than 100 tags could be read read in few seconds.

»HY3800WH is the only handheld in the world suport Muti-tag reading at long reading distance, which make resolution like Jewelry management and Library shelf management feasible.

»Video download link For Video on Library, Jewelry management, Please visit our website

»Ordinary Handheld could only read one or two tags at the same time, at short reading distance.

Next

1） Optional WinCE & Android System

»Optional OS

WinCE 6.0
Android 4.4

Next

2）Anti-1.2 Meter drop

»Ordinary UHF handheld, like Picture 8.1,Picture 8.2,Picture 8.3 have to be with flexible external antenna, when drop, the external antenna gone.
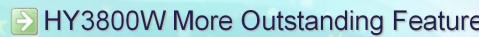

Picture 8.1 Picture 8.2 Picture 8.3

»HY3800W is with very strong structure, sustain for 1.2 meters drop
»Anti-1.2 Meter Drop Video
http://www.hyintech.com/en/Download_2.asp?id=81

Next

3）Stable Performance And 10 Year Working Life

»Ordinary UHF handheld(Like 9.1,9.2) with fixable antenna, the connection could loose or break after extended and fold for a period.
»Internal, there is a copper wire (Picture 9.3) connecting the RFID Reader module and antenna.

»This feeder line is easily to be break after fold and extend sometimes

»As long as the core of this feeder line breaks, reading distance will be shorter and shorter, sometime working ,sometime not and then be unable to read tags any more

Picture 9.1   Picture 9.2   Picture 9.3

HY3800W is with fixed Antenna could remain the same performance, whatever how long you using it.Besides the antenna, HY3800W with designs,both inside and outside to make it as the most strong Industrial handheld with theroretical working life for 10 years

Next

4）**Industrial and Ergonomic Design**

»HY3800W is with trigger key in handle imported from Japan, with the longest working life and comfortable for finger, and easy to pull.

»Some of the ordinary handheld, with the key is hard to pull, which will make the operator of handheld tired after pull the trigger for a long time.

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6）Wireless Charging

1).Extending Life Time of Handheld Computer, Saving Cost on Maintenance

»Hard Power Charging Connector is the weak point of Handheld Computer in Industrial field. The connector plug in and out over and over again, got life time limit. And some careless operation of worker, may make damage on it.

»With Wireless Charging technology, no careless mistake could damage the connector and save you a lot of cost in maintenance

2).Higher Industrial Protection Level

»With Anti-Water Block at the connector, could proof water, and dust .

3).Easy, Handy.

»Just Put it on the stand, and charging automatically. Operation easy, handy and Time Saving.

Next

HY3800W SDK Included Items Below

1).Demo Software

2).Demo Software Source Code

3).API
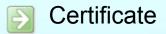
4) Manual

Professional engineering support

Next

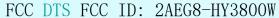# Links on HYINTECH website for HY3800W

1) Anti-1.2 Meter Drop Video
http://www.hyintech.com/en/Download_2.asp?id=81

Next

FCC DSS FCC ID: 2AEG8-HY3800W   FCC DTS FCC ID: 2AEG8-HY3800W   FCC JBP FCC ID: 2AEG8-HY3800W

CE certificate
CTL1502060364-W

IEC60950
Safety test report

Next

Hyin Technology Co.,Ltd established since 2003,is one of the pioneer in Industrial ruggged handheld and RFID field in China.With our talent&experienced R&D center,we have cooperated with our clients done thousands of projects successfully.In our fexible marketing policy,ODM,OEM&Excluded logo service is available.Looking forward your contact......