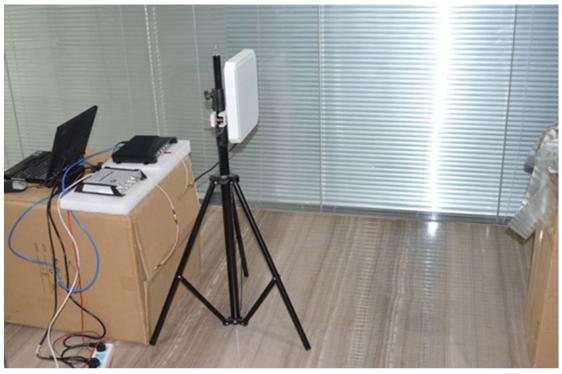
# **UHF RFID** reader performance contrast test

YR8600 VS Impinj SPEEDWAY R420

1 The test of real





### 1: Test environment

reader	YR8600	Impinj SPEEDWAY R420		
Reader output power	30dBm	30dBm		
Reader communication	TCP/IP	TCP/IP		
interface				
<b>DEMO</b> software version	3.62	6.6.1.240		
antenna	9DBI Circular polarization anto	enna (multi tag) & 5DBI Circular		
	polarization antenna (single tag)			
tag	Alien 9662 inlay&Impinj E41-b			
feeder	Domestic 50Ωdouble silver coaxial cable			
power supply	30V 3A Switch mode regulated power supply			
computer	Thinkpad laptop			
router	Netgear 4 Port router			

## 2: Test project

Test project 1	80PCS tags identification rate contrast test
Test project 2	200 PCS tags identification rate contrast test
Test project 3	700 PCS tags identification rate contrast test
Test project 4	single tags identification distance contrast test
Test project 5	The machine power consumption contrast test

## 3: multi tags identification rate measured data



Tag a total of 80 PCS

Tag a total of our CS						
Time-consu	ıming	1Seconds	3 Seconds	5 Seconds	10 Seconds	30 Seconds
(approxin	nate)					
Identification	YR8600	74	76	78	79	79
Tag number	SPEEDW	66	70	70	71	71
	AY					



Tag a total of 200 PCS

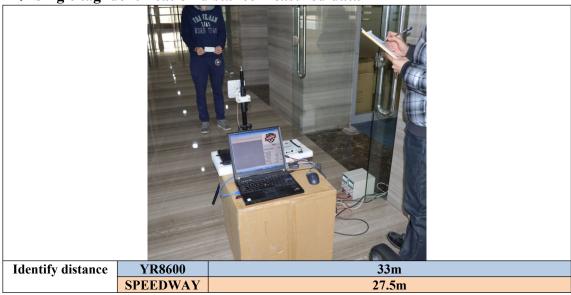
Time-consuming (approximate)		2 Seconds	5 Seconds	10 Seconds	30 Seconds
Identification	YR8600	162	164	167	170
tag number	SPEEDWAY	138	144	145	145



Tag a total of 700 PCS

Time-consuming (approximate)		5 Seconds	10 Seconds	27 Seconds
Identification	YR8600	424	472	482
tag number	SPEEDWAY	380	388	394

## 4: Single tag identification distance measured data

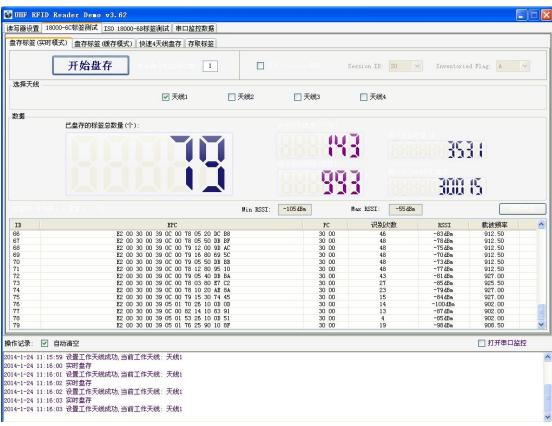


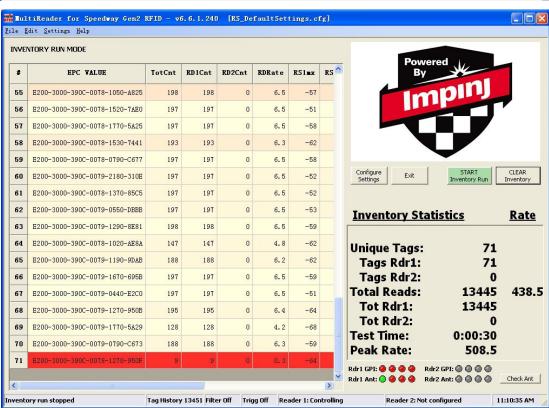
### 5: The machine power consumption measured data

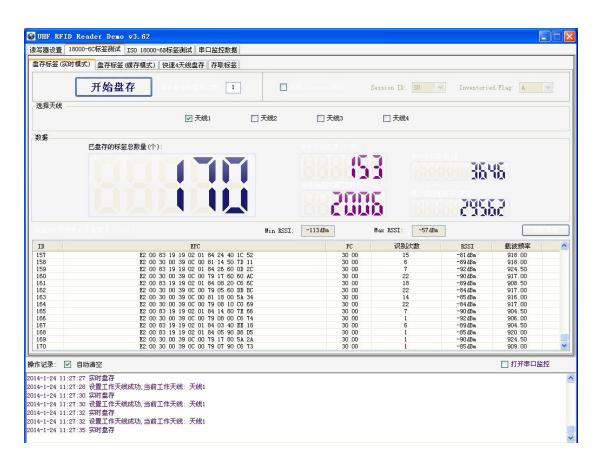
power consumption	YR8600	12V X 0.7A = 8.4W	OUE PRIME SAIVE BAN PRIME SAIVE BAN BUILDING POWER BANKS
	SPEEDW AY	23.4V X 0.52A = 12.12W	OVE PRINCES DOWN AND DOMESTIC OFFI ON THE PRINCES DOWN ON THE PRIN

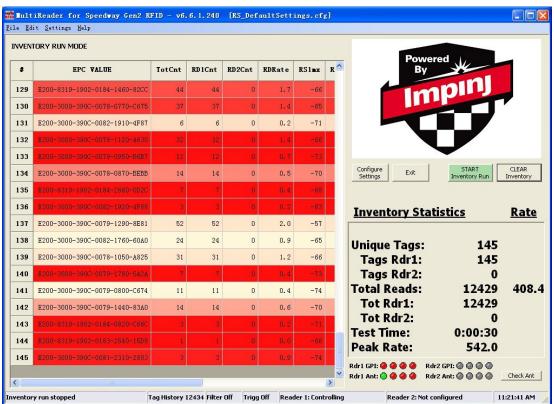
### Appendix: more tags test DEMO software screenshots

#### 80 PCS tag identify 30 seconds









#### 700 PCS tags identify 27 seconds

