



# TEST REPORT

Client Name	Shenzhen Chainway Information Technology Co., Ltd.
Name of product	Mobile Data Terminal
Manufacturer	Shenzhen Chainway Information Technology Co., Ltd.
Trade mark & model	H100
Test sort	Commission Test



**CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.**

Address: Electronic Testing Building, No. 43 Shahe Road, Xili Jiedao, Nanshan District, Shenzhen, Guangdong, China

P.C.: 518055


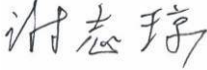

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**CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.****TEST REPORT**

Name of sample	Mobile Data Terminal		Trade mark	----	
Manufacturer	Shenzhen Chainway Information Technology Co.,Ltd.		Model/Type	H100	
Client	Shenzhen Chainway Information Technology Co.,Ltd.		Sampling method	Sent by client	
Sampler	----		Amount of samples	----	
Sampling place	----		Quantity of samples	2 Pcs	
Production date	----	Sampling date	----	Application data	2017.8.11
Test date	2017.8.14		Environment condition	15~35℃, 45~75%RH	
Sample description: Two samples, in good condition before test. Number: 1#, 2#.					
Test item: Dust-proof Test (IP6X)、Water-proof Test. (IPX5)、Free fall Test					
Reference documents: IEC60529-2013 Degrees of protection provided by enclosures (IP Code). IEC 60068-2-32-1995 Test Ed:Free fall					
Summary: According to the requirement, sample have been performed Environment Test IP65、Free fall Test 。 The appearance and function of sample are both Pass after tests, refer to followed report for detail.					
Test conclusion: Pass.  <p style="text-align: right;">(Stamp)</p>					
Tested by:		Inspected by:		Approved by:	
	2017Y 8M 15D		2017Y 8M 15D		2017Y 8M 15D



## Test Result

### Test 1: IP65

No.	Test Item	Test Requirement	Test Result
			1 <sup>#</sup>
1	Dust-proof Test (IP6X)	<p>The talcum powder used shall be able to pass through a square-meshed sieve the nominal wire diameter of which is 50 <math>\mu</math> m and the nominal width of a gap between wires 75 <math>\mu</math> m. The amount of talcum powder to be used is 2kg per cubic metre of the test chamber volume. It shall not have been used for more than 20 tests.</p> <p>Test time: 8h</p> <p>After the dust-proof test, no dust found in the samples.</p>	Pass
2	Water-proof Test. (IPX5)	<p>a. Diameter of spout: 6.3mm; b. Flux: 12.5 <math>\pm</math> 0.625L/min; c. Hydraulic pressure: adjusted so as to have required flux.; d. Main stream: round stream with diameter of 120mm (away from the spout for 2.5m) e. Average test time: about 1min/m<sup>2</sup>; f. Total test time: 3min at least; g. Distance from the spout to the shell of EUT: 2.5~3m.</p> <p>After the water-proof test, no water founded in the EUT</p>	Pass



## Test Result

### Test 2: Free fall Test

**Environmental conditions:**

Temperature: 25 °C, Humidity: 50 %RH.

**Reference documents:**

IEC 60068-2-32-1995 Test Ed:Free fall

**Test arrangement:**

In strict accordance with the experimental requirements of the layout.

**Sample state:**

Sample in good condition before test

**Test conditions:**

Drop height: 1200mm

Drop way: 3 arris、6 surface、1 Angle

Drop platform: metal plate

Drop times: 10 times

**Test acceptance requirements:**

Appearance and function should be normal.

**Test result:**

Pass

Photo



Water-proof Test. (IPX5)



After Water-proof Test

Photo



Dust-proof Test (IP6X)



After Dust-proof Test

Photo



Free fall Test



### Test Equipment List

No.	Name	Model No.	Serial No.	Cal. Due to
1	IP Water-Proof Tester	KXT302	A1109744	2017.08.25
2	Sand and dust Tryout case	KXT1410	A0411367	2017.08.25
3	Drop tester	ETR-F-315S	A130101035	2017.11.27

Notes: The above instrument is within the metering test cycle.





## STATEMENT

- 1. The test report is invalid without stamp of laboratory.**
- 2. The test report is invalid without signature of person(s) testing and authorizing.**
- 3. The test report is invalid if erased and corrected.**
- 4. Test results of the report is valid to the test samples if sampling by client.**
- 5. “☆” item cannot be Accredited by CNAS.**
- 6. The test report shall not be reproduced except in full, without written approval of the laboratory.**
- 7. If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.**

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