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## RN19-W03GH2M10U-USB-OUT

### 1. MECHANICAL

<b>Housing</b>	<b>Sheet Iron</b>
<b>Touch panel size (out line)</b>	<b>477 (W) ×314(D) ×9(H)mm</b>
<b>Active area</b>	<b>410.4(W)×257.3(D)mm</b>
<b>Weight</b>	<b>2.3Kg</b>
<b>Drawing</b>	<b>Refer to .Appendix 7.</b>

### 2. TOUCH CHARACTERISTICS

<b>Input Method</b>	<b>Finger or touch pen</b>
<b>Touch Activation Force</b>	<b>Non Minimum activation force</b>
<b>Position Accuracy</b>	<b>2mm</b>
<b>Resolution</b>	<b>4096(W) × 4096(D)</b>
<b>Response Time</b>	<b>Touch: 16ms</b>
	<b>Drawing : 16ms</b>
<b>Cursor Speed</b>	<b>120dot/sec</b>
<b>Glass</b>	<b>3mm glass, Transparence : 92% ~ 100%</b>
<b>Optics Number</b>	<b>80(W)×50(D) pcs</b>
<b>Optics Cell Area</b>	<b>5.08(W)×9.00(D)mm<sup>2</sup></b>
<b>Object Touch Size</b>	<b>≥ Ø5mm</b>
<b>Touch Intensity</b>	<b>Over 60 millions single point touch</b>

### 3. ELECTRICAL

<b>Operating Voltage</b>	<b>DC 4.5V ~ DC 5.5V</b>	
<b>Power</b>	<b>0.5 W (100mA at DC 5V)</b>	
<b>Anti -Static Discharge</b>	Touch Discharge, Grade 2: Lab Vol 4KV	<b>Standard B</b>
	Air Discharge, Grade 3: Lab Vol 8KV	
<b>Power Supply</b>	<b>USB</b>	

### 4. ENVIRONMENT

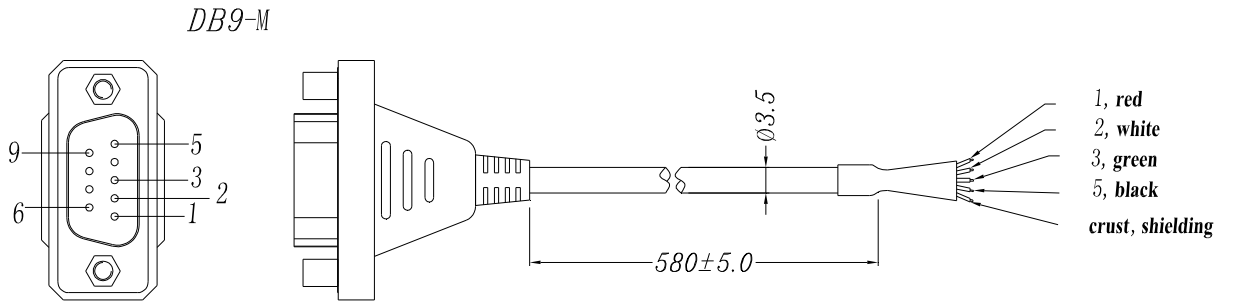
<b>Temperature</b>	<b>operating: -10 °C ~ 50 °C</b>
	<b>storage: -30°C ~ 60 °C</b>
<b>Humidity</b>	<b>operating: 20% ~85%</b>
	<b>storage: 0%~95%</b>
<b>Relative Humidity</b>	<b>40 °C, 90% RH</b>
<b>Anti – light Test</b>	<b>Incandescent lamp (220V,100W) , operating distance over 350mm</b>
<b>Altitude</b>	<b>3,000m</b>
<b>Interface</b>	<b>USB2.0 full speed</b>
<b>Detection Method</b>	<b>Infrared rays</b>
<b>Seal Ability</b>	<b>IP65</b>
<b>Working Environment</b>	<b>Under sunlight ,indoor and outdoor</b>
<b>Application of Display</b>	<b>LCD</b>

### 5. Software (Firmware)

<b>Scanning</b>	<b>Auto full screen scanning</b>
<b>Touch Trigger</b>	<b>Drop,raise,move on plane</b>
<b>Output</b>	<b>Coordinate output</b>

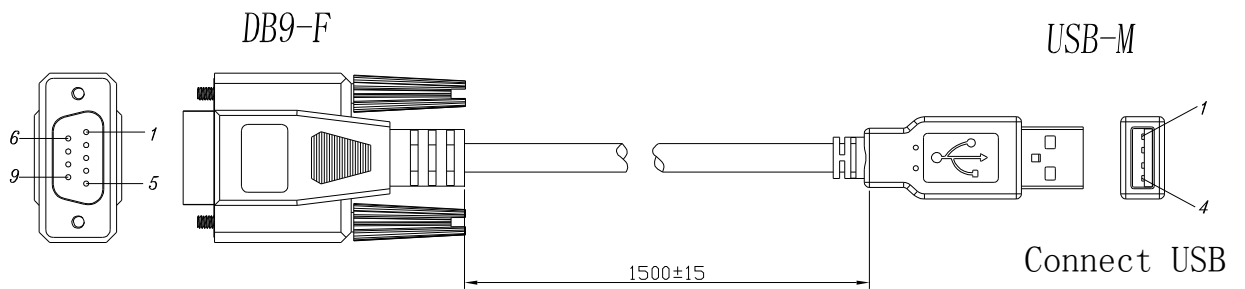
## 6. Cable information

### 6.1 DB9 Cable



PIN 1	<b>red</b>
PIN 2	<b>white</b>
PIN 3	<b>green</b>
PIN 4	<b>black</b>
CRUST	<b>shielding</b>

### 6.2 DB9/M+USB Interface cable



# 7. drawing

