

sewoo

10.1inch Tablet PC for Industrial

# BPR-10IIW



- IP65 Certificate
- Long battery life with 6,000mAh
- 8GB+256GB Memory, 128GB Storage
- 1,000 Mbps Ethernet
- HDMI, RS232\*1, USB 3.0\*2
- Intel Jasper lake N5100 (Quad-Core)
- 10.1 inch 1920x1200 (IPS+HD+300ANSI)
- 802.11a/b/g/n/ac5G&2.4G Dual band
- Various accessories as hand strap, docking station ...etc. (Optional)
- Best fits for harsh working environments assuring a great performance



WiFi



Bluetooth



Barcode



Portable



Durable



Rugged  
Design



Drop  
Resistant



Easy  
Maintenance



Improved  
Battery Life

## APPLICATION



## SPECIFICATIONS



### Physical specification

#### OS

windows 10 home/pro/iot

#### CPU

Intel N5100 Quad Core; 1.1GHz

#### RAM/ROM

8GB/256GB (Optional : 4GB/64GB)

#### LCD

10.1 inch; 1200\*1920;  
IPS Screen; 1000nits(800\*1280) Optional

#### Display Brightness

Min : 360nit  
Type : 450nit  
Max : 500nit

#### Touch screen

10 point touch  
support stylus

#### Camera

Front: 5MP; Real: 13MP

#### Power and battery

6000mAh; 7.6V  
Play video duration : 8 hours  
Screen standby duration : 4 days

#### WWAN

1.Default : SLM770A-SA : (Global band)  
LTE FDD:B1/2/3/4/5/7/8/28/66 LTE TDD:B40  
WCDMA:B1/2/4/5/8 GSM:850/900/1800/1900  
2.Optional : SLM750-VA (only North America)  
LTE-FDD:B2/4/5/12/13/17/25/26 LTE-TDD:B41  
WCDMA:B2/4/5 GSM:850/1900

#### WiFi

802.11a/b/g/n/ac Wireless Internet Wireless AP  
( Mobile AP )2.4G, 5G  
Intel Stone Peak 3165

#### GPS

BDS, GPS, GLONASS

#### Bluetooth

4.2 Version

#### Size

273\*172\*20mm

#### Weight

1.1 kg

#### NFC

13.56 MHz, Distance: 7-15mm ISO14443; TYPE A; Mifare

#### Speaker

1.5 watt

#### Sensor

1. Light sensor / 2. Compass / 3. Baroreceptor

#### Multi-media(Hardware decoding)

1. Photo Viewer: BMP, JPG, GIF, PNG  
2. Video Format: MPEG 1/2/4, H.263/H.264, RMVB, WMV/VC-1, MVC, AVS, MJPEG. (UP TO 1080P)  
3. Audio Format: MP3, WMA, WAV, OGG, FLAC, ALAC, APE, AAC, AC-3, DTS (need license)

#### Language

Multi language

#### Interface in/out port

1. HDMI\*1  
2. SIM Card Slot\*1  
3. TF Card Slot\*1; Max Support 128G  
4. Earphone\*1  
5. DC\*1; 3.5\*12mm  
6. USB 3.0 \*2  
7. RJ45\*1  
8. RS232\*1

#### Pogopin definition:

1.16pin back of cover, include (1USB, 1 RS232, 1 UART, 3.3V, 5V)  
2. 8pin in bottom; (1USB, 1 RS232, 1 UART, 5V) VESA hole 75\*75mm or 90\*90mm

#### Casing material

ABS/PC/rubber TPU/aluminum

#### Button

V+ -, Power, "F" for Barcode Scan  
Customized Button: P, H

#### 1D/2D Barcode

Honeywell N4680 / optional

#### UHF RFID

Optional

No built-in support, only external modules

American standard M500 (902MHz – 928MHz)  
External: card reading distance of 3-5M

European standard M500 (865MHz – 868MHz)  
External: Card reading distance of 3-5M

#### Fingerprint

AMF60 / optional

#### High precision GPS

UM960; TU101 Optional

#### Accessories

1. Blue Box 2. DC Charger (12V 4A) 3. Carry strap  
4. Bag & Screw 5. Wrist strap  
Optional: 1. Docking Station 2. Car Holder 3. Car Docking

#### Temperature

Storage Temperature: -25 °C to 80 °C  
Operation Temperature: -20 °C to 60 °C

#### Certification

1. MIL-STD-810G 2. ISO 3. IP67  
4. MSDS 5. CE 6. FCC

#### Proof degree

1. Anti-dust & Waterproof IP65  
2. Dropping Resistance 1.2 meter

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10.1inch Tablet PC for Industrial

# BPR-10IIW



- Intel i5-8200Y / (optional : i7-8500Y)
- Long battery life with 6,000mAh
- IP54 Certificate
- 10/100/1000M Ethernet
- HDMI, RS232\*1, USB 3.0\*2
- 4GB+64GB / (optional : 8+512GB / 16+512GB) Memory
- 10.1 inch 1200x1920 (IPS+HD+300ANSI)
- WiFi 802.11a/b/g/n/ac, 5G&2.4G Dual band
- Various accessories as hand strap, docking station ...etc. (Optional)
- Best fits for harsh working environments assuring a great performance



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## APPLICATION



## SPECIFICATIONS



### Physical specification

|                                                                                                                                                                                                                                                                                            |                                                                                                                              |                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OS</b><br>windows 10 pro                                                                                                                                                                                                                                                                | <b>Product weight</b><br>1100g                                                                                               | <b>Interface</b><br>Type-A : USB3.0 x2<br>HDMI : HDMI Type A x1, Audio and video output<br>RJ45 Ethernet : 10/100/1000M x1<br>Ø3.5mm Standard headphone interface x1<br>DB9 RS232 :9-pin serial port x1<br>DC power interface :<br>DC 12V 4A Ø4.0mm power interface x1 | <b>Battery type</b><br>Built in removable Li-ion Polymer Battery                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>CPU</b><br>Intel i5-8200Y / (optional : i7-8500Y)                                                                                                                                                                                                                                       | <b>Product size</b><br>275x178x18mm                                                                                          |                                                                                                                                                                                                                                                                        | <b>Rated capacity</b><br>6000mAh / Voltage 7.6Vdc(45.6Wh)<br>Charging time: about 4 hours<br>Usage time : 7H30min<br>(50% volume, 60% brightness, playing local 1080P video)<br>Standby time: about 4 days (screen off standby)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>RAM/ROM</b><br>8GB+256GB / (optional : 8+512GB / 16+512GB)                                                                                                                                                                                                                              | <b>GPS</b><br>Support Beidou+GPS+glonass<br>Capture sensitivity : -163 dBm<br>Cold start : 35seconds<br>Hot start : 1seconds | <b>Light sensor</b><br>Support                                                                                                                                                                                                                                         |  <b>Optional</b><br><br><b>Fingerprint module AFM60</b><br>Fingerprint capacity : Standard 500PCS<br>Identification time : < 0.45 seconds<br>Identification mode : 1:N identification or 1:1 verification<br><br><b>N4680 series 2D scan engines</b><br>Reading code : PDF417, MicroPDF417, Data Matrix, Data Inverse Maxicode, QR Code, MicroQR, QR Inverse, Aztec, Aztec Inverses, Han Xin, Han Xin Inverse<br><br><b>High percision GNSS module TAU1201</b><br>Sub meter level, positioning accuracy : 0.25-1 seconds,<br>Support Beidou, GPS, GLONASS; Capture sensitivity : -158 dBm;<br>Cold start : 24seconds; Hot start : 1seconds<br><br><b>UHF/RFID External (EU/US)</b><br>No built-in support, only external modules<br>Optional : American standard M500 (902Mhz – 928MHz)<br>External: card reading distance of 3-5M<br>European standard M500 (865MHz – 868MHz)<br>External: Card reading distance of 3-5M |
| <b>Language</b><br>Multi language                                                                                                                                                                                                                                                          | <b>NFC</b><br>ISO/IEC14443, ISO/IEC15693, MIFARE, Felica,<br>Read distance: 3-5cm, Front                                     | <b>Gravity sensor</b><br>Support                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Display Size</b><br>10.1 inch                                                                                                                                                                                                                                                           | <b>Speaker</b><br>8Ω, 1.5Wx1                                                                                                 | <b>Pogopin</b><br>Back 16PIN : USB 2.0 x1 + UART TTL x1<br>Bottom 8PIN : USB 2.0 x1 + UART TTL x1 + Charge x1                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Display Resolution</b><br>1200x1920                                                                                                                                                                                                                                                     | <b>MIC</b><br>Sensitivity : -32±2d<br>Output impedance 2.2kΩx1                                                               | <b>Photo viewer</b><br>BMP, JPG, GIF, PNG                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Display Brightness</b><br>Min : 360nit<br>Type : 450nit<br>Max : 500nit                                                                                                                                                                                                                 | <b>Key</b><br>Power, V+, V-, P, F, H                                                                                         | <b>Video format</b><br>MEPG 1/2/4,H.263/H.264,RMVB,WMV/VC-1,MVC,<br>AVS,MJPEG. (UP TO 1080P)                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Display Viewing Angle</b><br>IPS                                                                                                                                                                                                                                                        | <b>WIFI</b><br>802.11a/b/g/n/ac, Wireless AP ( Mobile AP )2.4G, 5G                                                           | <b>Audio format</b><br>MP3,WMA,WAV,OGG,FLAC,ALAC,APE,AAC,AC-3,DTS<br>(need license)                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Display Active Area</b><br>135.36(H)x216.576(V)                                                                                                                                                                                                                                         | <b>Bluetooth</b><br>4.2 Version                                                                                              | <b>Operating temperature</b><br>-20℃~60℃                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Frequency bands</b><br>1.Default :SLM770A-SA : (Global band)<br>LTE FDD:B1/2/3/4/5/7/8/28/66<br>LTE TDD:B40<br>WCDMA:B1/2/4/5/8<br>GSM:850/900/1800/1900<br>2.Optional : SLM750-VA (Only North America)<br>LTE-FDD:B2/4/5/12/13/17/25/26<br>LTE-TDD:B41<br>WCDMA:B2/4/5<br>GSM:850/1900 | <b>Touch Type</b><br>Capacitive touch panel                                                                                  | <b>Storage temperature</b><br>-25℃~80℃                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                                            | <b>Touch Mode</b><br>Support 10 points touch G+G                                                                             | <b>Degree of protection</b><br>1. Waterproof IP54<br>2. Drop 1.2m, 6 sides                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                                            | <b>Light Transmittance</b><br>Over 90%                                                                                       | <b>Certification standards</b><br>1. Military 810G<br>2. EU CE, US FCC                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                                            | <b>Camera</b><br>Front Camera 5.0M+Rear Camera 13M.0M                                                                        |                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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- IP65 Certificate
- Long battery life with 10,500mAh
- 4GB+64GB Memory
- 10/100/1000M Ethernet
- HDMI, RS 232\*1, USB 2.0\*1, USB 3.0\*1
- Intel cherry trail Z8350
- 10.1 inch 1920x1200 (IPS+HD+300ANSI)
- WiFi 802.11a/b/g/n/ac, 5G&2.4G Dual band
- Various accessories as hand strap, docking station ...etc. (Optional)
- Best fits for harsh working environments assuring a great performance



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Easy  
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Improved  
Battery Life

## APPLICATION



## SPECIFICATIONS



### Physical specification

#### OS

windows 10 pro

#### CPU

Intel cherry trail Z8350, 1.44Ghz-1.92GHz

#### RAM/ROM

4GB+64GB

#### Language

multi language

#### Display Size

10.1 inch

#### Display Resolution

1200x1920

#### Display Brightness

Min : 360nit

Type : 450nit

Max : 500nit

#### Display Viewing Angle

IPS

#### Display Active Area

135.36(H)x216.576(V)

#### Bluetooth

4.2 Version, Transmission distance: 8meter

#### Frequency bands

1.Default :SLM770A-SA : (Global band)

LTE FDD:B1/2/3/4/5/7/8/28/66

LTE TDD:B40 WCDMA:B1/2/4/5/8

GSM:850/900/1800/1900

2.Optional : SLM750-VA (only North America)

LTE-FDD:B2/4/5/12/13/17/25/26

LTE-TDD:B41 WCDMA:B2/4/5 GSM:850/1900

#### Product weight

1040g

#### Product size

275x178x18mm

#### GPS

Support Beidou+GPS+glonass

Capture sensitivity : -163 dBm

Cold start : 35seconds

Hot start : 1seconds

#### NFC

ISO/IEC14443, ISO/IEC15693, MIFARE, Felica,

Read distance: 3-5cm, Front

#### Speaker

8Ω, 1.5Wx1

#### MIC

Sensitivity : -32±2d

Output impedance 2.2kΩx1

#### TF card

Extended external storage x1

#### Key

Power, V+, V-, P, F, H

#### WIFI

802.11a/b/g/n/ac, Wireless AP (Mobile AP) 2.4G, 5G

#### Touch Type

Capacitive touch panel

#### Touch Mode

Support 10 points touch G+G

#### Light Transmittance

Over 90%

#### Camera

Front Camera 2.0M+Rear Camera 5M.0M

#### Interface

Type-A : USB2.0 x1

Type-A : USB3.0 x1

Microusb x1

HDMI : HDMI Type A x1, Audio and video output

RJ45 Ethernet : 10/100/1000M x1

Ø3.5mm Standard headphone interface x1

DB9 RS232 : 9-pin serial port x1

DC power interface : DC 5V 3A Ø3.5mm power interface x1

#### Light sensor

Support

#### Gravity sensor

Support

#### Pogopin

Back 16PIN : USB 2.0 x1 + UART TTL x1

Bottom 8PIN : USB 2.0 x1 + UART TTL x1 + Charge x1

#### Photo viewer

BMP, JPG, GIF, PNG

#### Video format

MEPG 1/2/4, H.263/H.264, RMVB, WMV/VC-1, MVC,

AVS, MJPEG. (UP TO 1080P)

#### Audio format

MP3, WMA, WAV, OGG, FLAC, ALAC, APE, AAC, AC-3, DTS

(need license)

#### Operating temperature

-20℃~60℃

#### Storage temperature

-25℃~80℃

#### Degree of protection

1. Waterproof IP65

2. Drop 1.2m, 6 sides

#### Battery type

Built in removable Li-ion Polymer Battery

#### Rated capacity

Main battery: 12000mAh / voltage 3.8Vdc (45.6Wh)

Secondary battery: 2550mAh

#### Endurance time

Play video duration : About 7 Hours

(70% volume, 70% nit, Play 1080P HD video)

Play video duration : 7hours

Screen standby duration : 5days

#### Certification standards

1. Military 810G

2. EU CE, US FCC



### Optional

#### Fingerprint module AFM60

Fingerprint capacity : Standard 500PCS

Identification time : < 0.45 seconds

Identification mode : 1:N identification or 1:1 verification

#### N4680 series 2D scan engines

Reading code : PDF417, MicroPDF417, Data Matrix, Data Matrix

Inverse Maxicode, QR Code, MicroQR, QR Inverse,

Aztec, Aztec Inverses, Han Xin, Han Xin Inverse

#### High percision GNSS module TAU1201

Sub meter level, positioning accuracy : 0.25-1 seconds,

Support Beidou, GPS, GLONASS; Capture sensitivity : -158 dBm;

Cold start : 24seconds; Hot start : 1seconds

#### UHF RFID External (EU/US)

No built-in support, only external modules

Optional : American standard M500 (902Mhz – 928Mhz)

External: card reading distance of 3-5M

European standard M500 (865MHz – 868MHz)

External: Card reading distance of 3-5M

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