

sewoo

10.1inch Tablet PC for Industrial

BPR-101IW



- 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. Baroceptor

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*90mmt

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-101IW



- 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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SPECIFICATIONS

Physical specification

OS windows 10 pro	Product weight 1100g	Interface Type-A : USB3.0 x2 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 12V 4A Ø4.0mm power interface x1	Battery type Built in removable Li-ion Polymer Battery
CPU Intel i5-8200Y / (optional : i7-8500Y)	Product size 275x178x18mm	Light sensor Support	Rated capacity 6000mAh / Voltage 7.6Vdc(45.6Wh) Charging time: about 4 hours Usage time: 7H30min (50% volume, 60% brightness, playing local 1080P video) Standby time: about 4 days (screen off standby)
RAM/ROM 8GB+256GB / (optional : 8+512GB / 16+512GB)	GPS Support Beidou+GPS+glonass Capture sensitivity : -163 dBm Cold start : 35seconds Hot start : 1seconds	Gravity sensor Support	Optional
Language Multi language	NFC ISO/IEC14443, ISO/IEC15693, MIFARE, Felica, Read distance: 3-5cm, Front	Pogopin Back 16PIN : USB 2.0 x1 + UART TTL x1 Bottom 8PIN : USB 2.0 x1 + UART TTL x1 + Charge x1	Fingerprint module AFM60 Fingerprint capacity : Standard 500PCS Identification time : < 0.45 seconds Identification mode : 1:N identification or 1:1 verification
Display Size 10.1 inch	Speaker 8Ω, 1.5Wx1	Photo viewer BMP, JPG, GIF, PNG	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
Display Resolution 1200x1920	MIC Sensitivity : -32±2d Output impedance 2.2kΩx1	Video format MEPG 1/2/4,H.263/H.264,RMVB,WMV/VC-1,MVC, AVS,MJPEG. (UP TO 1080P)	High precision 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
Display Brightness Min : 360nit Type : 450nit Max : 500nit	Key Power, V+, V-, P, F, H	Audio format MP3,WMA,WAV,OGG,FLAC,ALAC,APE,AAC,AC-3,DTS (need license)	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
Display Viewing Angle IPS	WIFI 802.11a/b/g/n/ac, Wireless AP (Mobile AP)2.4G, 5G	Operating temperature -20℃~60℃	
Display Active Area 135.36(H)x216.576(V)	Bluetooth 4.2 Version	Storage temperature -25℃~80℃	
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	Touch Type Capacitive touch panel	Degree of protection 1. Waterproof IP54 2. Drop 1.2m, 6 sides	
	Touch Mode Support 10 points touch G+G	Certification standards 1. Military 810G 2. EU CE, US FCC	
	Light Transmittance Over 90%		
	Camera Front Camera 5.0M+Rear Camera 13M.0M		

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10.1inch Tablet PC for Industrial

BPR-101IW



- 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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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 precision 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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10.1inch Tablet PC for Industrial

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- Windows 11 Pro
- Intel 12th Gen i5/i7 CPU (10 cores, turbo 4.7GHz)
- Up to 64GB Memory, 512GB SSD
- 10.1" FHD IPS Display (1920×1200, 450 nits)
- Wi-Fi 6 & Bluetooth 5.2, NFC
- 6,000mAh Battery, 65W Fast Charging (up to 6 days standby)
- Front 5MP & Rear 8MP Camera
- Rich I/O: HDMI, USB-A×2, USB-C (PD/DP/Charging/Data), RS232
- IP54, MIL-STD-810G, 1.2m Drop-proof
- Optional: UHF RFID, 1D/2D Barcode, Fingerprint, High-Precision GPS



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APPLICATION



SPECIFICATIONS



Physical specification

OS

windows 11 Pro

CPU

Intel i5-1235U

10 cores, 12 threads/basic frequency 1.3GHz, turbo 4.7GHz/power consumption 15W

i7-1255U Optional

10 cores, 12 threads/basic frequency 1.7GHz, turbo 4.7GHz/power consumption 15W

GPU

Intel® Iris® Xe Graphics 80EU/

i7: Intel® Iris® Xe Graphics 96EU

RAM/ROM

RAM :

- LPDDR5 496 Ball

- i5 : 8GB/16GB (Maximum 64GB)

- i7 : 16GB/32GB (Maximum 64GB)

ROM :

- M.2 2242 SATA (C500)

- 128GB/256GB/512GB

LCD

10.1 inch; 1200*1920; 450nits

Touch screen

10 point touch, support stylus

Camera

Front: 5MP; Real: 8MP

Power

6000mAh , 7.6V lithium battery (45.6Wh)

Charging time: 2H30min

Usage time: 5H30min

(50% volume, 60% brightness, playing local 1080P video)

Standby time: about 6 days(screen off standby)

DC4.0, 12V DC input

Supports Type-C 65W fast charging

WWAN

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

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

GPS

BDS, GPS, GLONASS

WiFi/Bluetooth

WiFi : 802.11a/b/g/n/ac/ax Wireless Internet

Wireless AP (Mobile AP) 2.4G, 5G

Bluetooth : 5.2 Version

- Intel® Wi-Fi 6 AX201 (WiFi/Bluetooth 2-in-1)

NFC

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

MIC

Sensitivity: -32±2d

Output Impedance: 2.2kΩx1

Speaker

8Ω 1.5 Watt

Sensor

1. Light Sensor / 2. Acceleration Sensor / 3. G-Sensor

Size

273*172*20mm

Weight

1190±50g

Language

Mult language

Interface In/Out Port

1. DC*1; 4.0*15mm

2. HDMI Type A x1, Audio and video output

3. USB Type_A : USB3.2 Gen1 x2

4. USB Type_C : USB3.2 Gen1 x1(type-c include PD, DP, Data transmission, Charging)

5. Earphone : 3.5mm headphone jack x1

6. RJ45 : Support Gigabit Ethernet

7. RS232 : Standard DB9

Bottom pogo pin: USB 2.0; Charging; RS232

Back pogo pin: USB 2.0; RS232

Button

V+ -, Power, "F" for Barcode Scan

Customized Button: P,H (Default No Functionality)

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 Optional

Accessories

1. Blue Box / 2. DC Charger (12V 4A) / 3. Carry strap /

4. Screw / 5. Wrist strap

Optional:

1. Docking Station / 2. Car Holder / 3. Car Docking

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)

Temperature

Storage Temperature: -25 °C to 80 °C

Operation Temperature: -20 °C to 55 °C

Certification

1. MIL-STD-810G

2. ISO-9001

3. CE, FCC, 3C

Proof degree

Anti-dust & Waterproof IP54

Dropping Resistance 1.2 meter

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