

Technical Doc. :	ST_PTEMI61J_R010.docx
Equipment:	PTEMI61J
Revision :	1.0



Model: PTEMI61J - 6.5" Industrial Rugged Handheld

- Support for Windows 11/10 system
- Equipped with front 5 million and rear 8 million pixel auto focus camera
- Support 4G all network communication, Dual-band WiFi, Bluetooth and other communication modes
- Removable 7.4V 4000mAh high-voltage high-capacity battery, supports 45W Type-C PD3.0 fast charging
- Support GPS, Glonass, more accurate positioning
- Support NFC and the optional 2D module , to meet the application needs of multiple industries
- IP67 high protection level, in accordance with MIL-STD-810H

Basic parameters

Product Form	Type	Rugged handheld device (Rugged PDA)
	Dimension	183.1*88.6*24.1mm
	Weight	device unit 470g
	Device Color	black
LCD	Screen Size	6.5 inch TFT 20:9
	Resolution	720*1600
	Brightness	500cd/cm ²
TP	Touch Panel	5points Capacitive · G+FF · Corning Gorilla Glass, Rigidity: above 7H-Anti-scratch,TP thickness : 1.1mm · COF · support glove/wet hand touch
Camera	Front	front 5.0MP
	Rear	rear 8.0MP automatic focusing
Speaker	Built-in	build in 8Ω/0.8W waterproof speaker x 1
Mic	Built-in	Sensitivity: -42db, output resistance 2.2kΩ
Battery	Type	Li_polyment, removeable battery
	Capacity	7.4V/4000mAh
	Endurance	About 6 hours(50% volume sounds, 50% screen brightness, 1080P HD video display by default)

System Hardware Configuration

CPU	Type	Intel JASPER LAKE N5100
	Speed	1.10Ghz-2.80GHz
GPU	Type	Intel® UHD Graphics
RAM	DDR3L	8GB
ROM	Emmc	128GB
G_sensor	Built-in	Gravity acceleration sensor
Compass	Built-in	electronic compass
Gyroscope	Built-in	gyroscope
Indicator light	Built-in	Start and shut down indicator light

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Network Connections

WIFI	WIFI module	WIFI 802.11(a/b/g/n) frequency 2.4G+5.8G dual bandWIFI
Bluetooth	build-in	BT5.0 (BLE) class1.5 transmission distance : 10m
3G/4G	build-in	LTE FDD: B1/B3/B7/B8/B20 LTE TDD: B40 WCDMA: B1/B5/B8 GSM: 900/1800 Optional: LTE-FDD: B2/4/5/12/13/17/18/25/26 LTE-TDD: B41 WCDMA: B2/4/5 CDMA&EVDO: BC0/BC1 GSM: 850/1900 LTE-FDD: B2/4/5/7/8/28 LTE-TDD: B40 WCDMA: B2/5/8 GSM: 850/900/1900
GPS	build-in	support satellites: GLONASS, QZSS, GPS; Capture sensitivity: -160 dBm ; Cool Start Time : <30 seconds · hot Start Time : <28 seconds · frequency : 0.25 Hz ... 10 MHz (configurable)
NFC	OPTIONAL	NXP NFC 13.56MHz support under ISO/IEC 14443A/14443B/15693/18092/mifare protocol · Card reading distance : 4cm

Data Collection

2D	OPTIONAL	Optical resolution: 5mil Scanning speed: 30 times /s Support code: PDF417, MicroPDF417, Data Matrix, Data Matrix Inverse Maxicode, QR Code, MicroQR, QR Inverse, Aztec, Aztec Inverses, Han Xin, Han Xin Inverse"
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Keybutton

Power	power on/off button	x1
Volume	Volume + -	Volume + - x2
Barcode	barcode scan key	barcode key(left · right) x2

Interface

Type-C	TYPE-C 2.0	TYPE-C 2.0*1 OTG (Data transmission)
Standard USB	USB -A port	Standard USB-A port/Data Transfer (3.0) x1
TF Card	Extensive External	support SDHC/SDXC x1 max : 512GB
SIM Card	3G/4G SIM card	Nono SIM x1
POGO PIN 2	docking charging	be used to docking charge x1

Standard Accessories

Type-C	TYPE-C 2.0	TYPE-C 2.0 data cable
Power adapter	standard	Input: 100~240VAC 50/60HZ output: 5VDC 2.5A USB ,adapter for (EU, US, UK)

Software Configuration

Operation system	OS version	Windows 10 Home
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Certificate

Certificate system	IP67	IPX7
		Method name : short time submerging test
		test device and test condition : submerge water box * the size should make the testing sample into submerge box and after then , the distance from sample bottom to water surface at least 1m. and distance from sample top side to water surface at least 0.15m.
	CE NB	Yes
	MIL-STD-810H	Yes
Battery	UN38.3,MSDS * IEC62133,Marine Transport * Air Transport report	

Reliability

Product Reliability	Drop Height	1.2m composite wood floors, in operation status
	Operate Temperature	-20 °C to 60 °C
	Store Temperature	-30 °C to 70 °C

