LEO-W

Wearable Barcode Ring

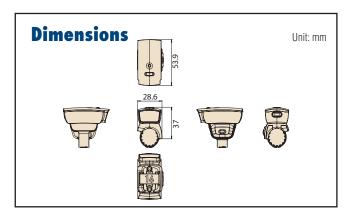


Features

- Wearable ring enables hands-free operation
- Compact and lightweight for convenient portability
- Battery supports 8 hours operation/1.5 hour charge time
- Ergonomic design enhances user comfort

Specifications

Sensor Type		Linear
Resolution		4 mil/0.1 mm
Indicator		LED, Buzzer
Angle		Scan Angle 41° Pitch Angle ±30° Skew Angle ±40° Roll Angle ±20°
Battery		250 mAh
Battery Life		8 hours or 6000 scans (5 seconds per scan)
Charge Time		1.5 hours (full capacity)
Radio		Bluetooth 4.1 (Class 2)
Coverage		10 m/33 ft (line of sight)
Symbologies		UPC-A/UPC-E, EAN-8/EAN-13, Industrial 2 of 5, Codabar, Matrix 2 of 5, Code 11, Code 93, Code 32, Code 128, Standard Code 39, Full ASCII Code 39, Interleaved 2 of 5, China Postal Code, MSI Plessy Code, UK Plessy Code, EAN/UCC 128, Telepen Code, IATA Code, GS1 Databar
Typical Depth of Field (@800 Lux)		 Code 39 4 mil: 33 ~ 83 mm 5 mil: 27 ~ 105 mm 10 mil: 30 ~ 205 mm 15 mil: 41 ~ 239 mm
Dimensions (H x W x D)		53.9 x 37 x 28.6 mm (2.12 x 1.45 x 1.05 in)
Weight		33 g (0.07 lb)
Environmental	Operating Temperature Storage Temperature Humidity Drop Tolerance IP Rating	-20 ~ 50 °C (-4 ~ 122 °F) -20 ~ 60 °C (-4 ~ 140 °F) Up to 95% relative humidity, non-condensing 1 m IP54
Light Levels		70,000 lux
ESD		4 kV contact, 8 kV air
Certification		CE, FCC, NCC



Ordering Information

Part Number	Description
LEO-WB21-000	LEO-W barcode ring

Part Number	Description
1700029373-01	Magnetic USB cable
1990033112T000	#10 ring strap
1990033113T000	#12 ring strap
1990033114T000	#16 ring strap
1990033115T000	#20 ring strap
1990033116T000	#24 ring strap

LEO-WS10

Handheld Dimensioning & Barcode Scanner



Features

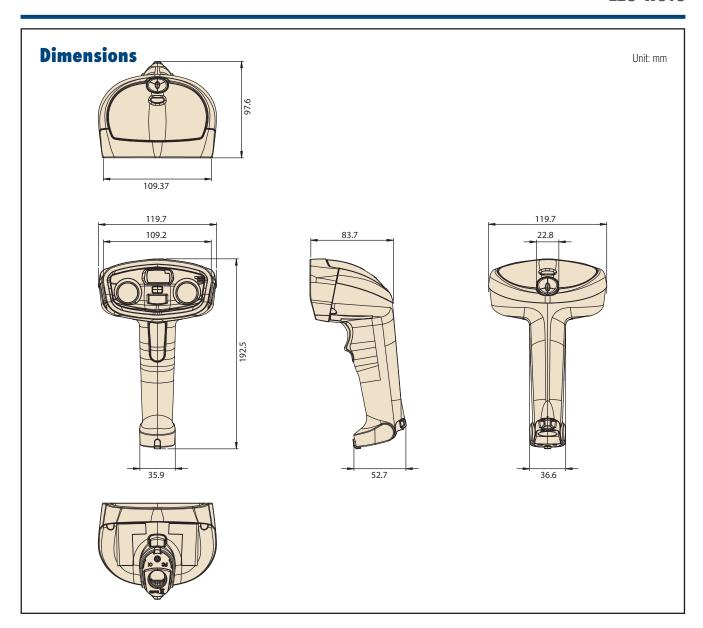
- Laser aimer for accurate aiming at barcodes
- 3D handheld sizing scanner with embedded 2D scanner
- No pre-calibration needed
- Easy operation and portability
- Compatible with any computer (verified performance with Advantech's DLT series)
- Supports Windows, Android, and Linux OS

Introduction

LEO-WS10 is the handheld dimensioning and barcode scanner. It can be used for diverse industrial and retail applications, such as logistics, chain store, post office, and airport kiosk operations, to speed up dimensioning, improve package collection, and accelerate loading. Moreover, to ensure convenient deployment, LEO-WS10 supports Windows, Android, and Linux OS without necessitating hardware changes.

Specifications

	Optical Working Range	40 to 150 cm (15.74 ~ 59.05 inch)
	Field of View	52° Horizontal, 30° Vertical
	Shape	Cubic and rectangular package/carton
	Accuracy	d=2, less than ±2cm deviation
	Measurement Time	<1 sec
Performance	Min./Max. Object Length	Min. cube: 10 cm / 0.394 inches cube (OIML 20cm cube) Max. cube: 80 cm / 31.5 inches cube (OIML 60cm cube)
	Color	All opaque packaging except black, very glossy and transparent
	Measurement Angle	Pitch: 35° ~ 65°, Skew: ± 15°
	Measurement Surface	Avoid to put the box in the background whose color is too close to the box's color, avoid transparent background
	Feedback	Audible beep and LED indicators (green, red, and orange)
	1D Decode Capabilities	UPC-A, UPC-E, EAN-8/JAN-8, EAN-13/JAN-13, Code 39, Code 128, Interleaved 25, Industrial 25, Matrix 25, Codabar/NW7, Code 93, China Post, MSI/Plessey, Telepen, GS1 Databar Omni-directional, GS1 Databar Limited, GS1 Databar Expanded
	2D Decode Capabilities	Data Matrix, PDF 417, QR code
Barcode Reader	Reading Range	2 mil Code 39: 60 ~ 100 mm 4 mil Code 39: 55 ~ 110 mm 10 mil Code 39: 50 ~ 220 mm 20 mil Code 39: 50 ~ 300 mm 20 mil QR code: 50 ~ 200 mm 20 mil PDF417: 50 ~ 120 mm
Dimensions (W x H x L)		12.0 x 9.8 x 19.3 cm (4.72 x 3.86 x 7.60 inch)
Weight		280g (9.88oz)
Floatrical Interfess	Input Voltage	5V _{DC}
Electrical Interface	Host Interface	1 x USB or 1 x RS-232 wired cable
Aimer	Wavelength	650±10 nm red VLD IEC
AIIIIEI	Classification	60825-1:2014 Class 1
	IP Rating	IP54
	Operating Temperature	-10 ~ 40 °C (32 to 104 °F)
Environment	Storage Temperature	-20 ~ 60 °C (-4 ~ 140 °F)
	Relative Humidity	0 ~ 70% relative humidity, non-condensing
	Ambient Light	0 ~ 3000 lux (avoid direct sunlight)
Certifications		CE, FCC, LVD,OIML certification



Part Number	Description
LFO-WS10-CBA0	Handheld dimensioning & barcode scanner

5" Industrial-Grade Handheld Terminal with ARM® Cortex™-A53 Quad-Core Processor



Features

- ARM® CortexTM-A53, quad-core, 1.3 GHz processor with Android 5.1
- 5" HD (1280 x 720) capacitive touchscreen
- Lightweight design (295 g)
- IP65 rated for protection from water and dust
- Wide operating temperature range (-20 ~ 60 °C/-4 ~ 140 °F)
- Wi-Fi, Bluetooth, GPS, BeiDou, and 4G LTE communication capabilities
- 13-megapixel auto-focus camera and optional 1D/2D barcode scanner



Introduction

PWS-472 is an industrial-grade handheld terminal equipped with an ARM® Cortex™-A53, quad-core, 1.3 GHz processor and a 5" HD (1280 x 720) capacitive touchscreen. The inclusion of Wi-Fi (802.11 a/b/g/n), Bluetooth, GPS, and WWAN communication technologies ensures high connectivity, while the 1D/2D barcode scanner and 13-megapixel camera with auto-focus provide convenient data collection tools. To withstand operation in harsh environments, PWS-472 is IP65 rated for protection from water and dust ingress, making it ideal for retail, warehouse, and manufacturing applications.

Specifications

	Processor	ARM® Cortex™-A53, quad-core, 1.3 GHz				
System	Memory	2 GB				
	Operating System	Android 5.1				
Storage	Flash	16 GB				
Sitilage	SD Card	MicroSD (up to 32 GB)				
	Type	5" LCD				
Display	Resolution	1280 x 720 HD				
	Brightness	350 cd/m ²				
Touchscreen	Туре	Projective capacitive				
TOUCHSCIEEH	Construction	GFF				
Multimedia	Speaker	1 x Internal 1W speaker				
viuitiineuia	Microphone	1 x Internal microphone				
Camera	Rear	1 x 13 MP camera with LED flash and auto focus				
Sensors		E-compass, g-sensor. light sensor				
	I/O Ports	1 x Micro USB 2.0 client (via charging cable)				
	1/0 1 0113	1 x Standard SIM				
/0		1 x Power button				
	Buttons	2 x Scanner trigger buttons				
		4 x Function keys				
Vireless	WLAN/Bluetooth	IEEE 802.11 a/b/g/n Bluetooth V4.1 Bl F				
Wireless Communication	NFC	Compatible with ISO 15693, ISO 14443A/B, MIFARE®				
Julillallication	WWAN (Optional)*	LTE: B1. B3.B38. B39. B40. B41				
GNSS	Satellite System	GPS, GLONASS, Galileo, and BeiDou				
	oatemie oystem	Honeywell N3680 (LED aimer): PWS-472-C10E/C12:				
Scan Engine		Zebra SE4750 (laser aimer): PWS-472-C13				
	Voltage Input	5V. 2A				
Power System	Battery	3.7V 3200mAH lithium-polymer battery (swappable)				
	Dimensions (W x D x H)	82.04 x 160 x 26.89 mm (3.22 x 6.29 x 1.05 in)				
Mechanical	Weight	295 g (0.650 lbs) with battery				
		-20 ~ 60 °C/-4 ~ 140 °F				
	Operating Temperature	(0 ~ 40 °C/32 ~ 104 °F when charging)				
	Storage Temperature	-30 ~ 70 °C/-22 ~ 158 °F				
Invironment	IP Rating	IP65				
	Safety	CB. CCC. BSMI				
	Certifications	CE. FCC. CCC. BSMI. KC				

^{*} WWAN not available in the USA.

Dimensions Unit: mm

Ordering Information

Part Number		Configuration										
Part Nulliber	CPU	LCD	Memory	Storage	Rear CAM	Wi-Fi	BT	GNSS	4G	NFC	Barcode Scanner	OS
PWS-472-C10E	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Honeywell N3680)	Android 5.1
PWS-472-C12	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	N/A	Yes	Yes (Honeywell N3680)	Android 5.1
PWS-472-C13	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Zebra SE4750)	Android 5.1
PWS-472-C20E	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Android 5.1

Description
1 x 3.7V 3200mAH lithium-polymer battery
1 x AC/DC adapter
1 x USB to micro USB cable
1 x Hand strap

5" Industrial-Grade Handheld Terminal with ARM® Cortex™-A53 Quad-Core Processor and Infrared Thermometer



Features

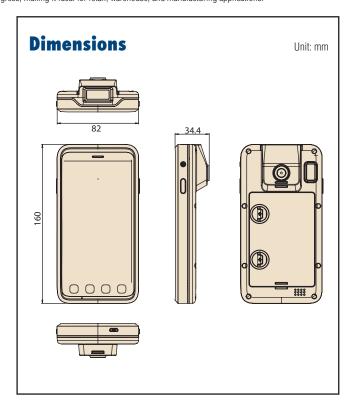
- Integrated infrared thermometer supports rapid temperature data collection and storage
- ARM® CortexTM-A53, quad-core, 1.3 GHz processor with Android 5.1
- 5" HD (1280 x 720) display with projected capacitive multi-touch control
- Screwless battery design for convenient swapping
- 1D/2D barcode scanner and 13-megapixel auto-focus camera for data collection
- Wi-Fi, Bluetooth, GPS, and BeiDou communication capabilities
- Wide operating temperature range (-20 ~ 60 °C/-4 ~ 140 °F)
- IP65 rated for protection from water and dust

Introduction

The PWS-472 with infrared thermometer is an industrial-grade handheld terminal equipped with an ARM® Cortex™-A53, quad-core, 1.3 GHz processor and 5" HD (1280 x 720) projective capacitive touchscreen, as well as integrated infrared thermometer, which provides an effective tool for temperature management. The inclusion of Wi-Fi (802.11 a/b/g/n), Bluetooth, GPS, and WWAN communication technologies ensures high connectivity, while the 1D/2D barcode scanner and 13-megapixel camera with auto-focus provide convenient data collection tools. To withstand operation in harsh environments, PWS-472 is IP65 rated for protection from water and dust ingress, making it ideal for retail, warehouse, and manufacturing applications.

Specifications

	Processor	ARM® Cortex™-A53, quad-core, 1.3 GHz
Core	Memory	2 GB
	Operating System	Android 5.1
Storage	Flash	16 GB
Storage	SD Card	MicroSD (up to 32 GB)
	Туре	5" IPS LCD
Display	Resolution	HD 1280 x 720
	Brightness	350 cd/m ²
Touchscreen	Туре	Projective capacitive multi-touch
Touchscreen	Construction	GFF
Multimedia	Speaker	1 x Internal 1W speaker
Willilliedia	Microphone	1 x Internal microphone
Camera	Rear	1 x 13 MP camera with LED flash and auto focus
Sensors		E-Compass, G-Sensor
	Standard I/O Port	1 x Micro USB 2.0 client (via charging cable) 1 x Standard SIM
I/O Interface	Button	1 x Power button 2 x Scanner trigger buttons 4 x Function keys
Wireless	WLAN/Bluetooth	IEEE 802.11 a/b/g/n Bluetooth 4.0 BLE
Communication	NFC	Compatible with ISO 15693, ISO 14443A/B MIFARE
	WWAN	LTE, B1, B3, B38, B39, B40,B41
	Thermometer	Infrared thermometer
ID TI	Object Temperature Range	-40 ~ 120 °C (-40 ~ 248 °F)
IR Thermometer	Temperature Accuracy	±1 °C (33.8 °F)
	Measurement Distance	< 30 cm (11.8 in)
GNSS	Satellite System	GPS, GLONASS, Galileo, BeiDou
2 0 1	Voltage Input	5V. 2A
Power System	Battery	3.7V 3200mAH lithium-polymer battery (swappable)
	Dimensions (W x D x H)	160 x 82 x 20 mm (6.2 x 3.22 x 0.78 in)
Mechanical	Weight	302 g (0.66 lb) with battery
F 1	Operating Temperature	-20 ~ 60 °C/-4 ~ 140 °F (0 ~ 40 °C/32 ~ 104 °F when charging)
Environment	Storage Temperature	-30 ~ 70 °C/-22 ~ 158 °F
	IP Rating	IP65



Ordering Information

Don't Namehou		Configuration											
Part Number	CPU	LCD	Memory	Storage	Rear CAM	Wi-Fi	BT	GNSS	4G	NFC	TMR	Barcode Scanner	OS
PWS-472-C40	Cortex-A53	5"	2 GR	16 GB	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (SE4750)	Android 5.1

Part Number	Description
PWS-472-BAT100E	1 x 3.7V 3200mAH lithium-polymer battery
N/A	1 x Hand strap
N/A	1 x USB to Micro USB cable
N/A	1 x USB adapter

5" Industrial-Grade Handheld Terminal with ARM® Cortex™-A53 Quad-Core Processor and UHF RFID Reader



Features

- ARM® Cortex[™]-A53, quad-core, 1.3 GHz processor with Android 5.1
- 5" HD (1280 x 720) capacitive touchscreen
- Communication capabilities includes Wi-Fi, Bluetooth, GPS, and BeiDou
- Built-in 13-megapixel auto-focus camera and 1D/2D barcode scanner
- Long-range UHF RFID capabilities (compatible with EPC C-1 G-2/ISO 18000-6C)
- User-friendly trigger button
- IP54 rated for protection from water and dust
- Wide operating temperature range (-20 ~ 60 °C)

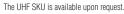
Introduction

PWS-472 UHF RFID reader is designed for wireless long-range data collection. Compliant with EPC C-1 G-2/ISO18000-6C standards, the industrial-grade design is ideal for diverse warehouse, manufacturing, and logistics applications.

Specifications

	Processor	ARM® Cortex™-A53, quad-core, 1.3 GHz			
System	Memory	2 GB			
	Operating System	Android 5.1			
Storage	Flash	16 GB			
Sluraye	SD Card	MicroSD (up to 32 GB)			
	Туре	5" IPS LCD			
Display	Resolution	1280 x 720 HD			
	Brightness	350 cd/m ²			
Touchscreen	Туре	Capacitive touch			
TOUCHSCIECH	Construction	GFF			
Multimedia	Speaker	1 x Internal 1W speaker			
Multimedia	Microphone	1 x Internal microphone			
Camera	Rear 1 x 13 MP camera with LED flash and auto focus				
Sensors		E-compass, g-sensor. light sensor			
	I/O Ports	1 x Micro USB 2.0 client (via charging cable) 1 x Standard SIM			
1/0	Buttons	1 x Power button 2 x Scanner trigger buttons 4 x Function keys			
	WLAN/Bluetooth	IEEE 802.11 a/b/g/n Bluetooth V4.1 BLE			
Wireless Communication	UHF RFID	Standard support: EPC C-1 G-2/IS018000-6C Frenquency range: 840 ~960 MHz Output power: 30dBM			
GNSS	Satellite System	GPS, GLONASS, Galileo, and BeiDou			
Daving Cristian	Voltage Input	5V, 2A			
Power System	Battery	3.7V 9600mAH lithium-polymer battery (Non swappable)			
Mechanical	Dimensions (W x D x H)	160 x 150 x 80 mm (6.29 x 5.9 x 3.14 in)			
	Weight	650 g (1.43 lbs) with battery			
	Operating Temperature	-20 ~ 60 °C/-4 ~ 140 °F (0 ~ 40 °C/32 ~ 104 °F when charging)			
Environment	Storage Temperature	-30 ~ 70 °C/-22 ~ 158 °F			
Environment	IP Rating	IP54			
	Certification	By project request			

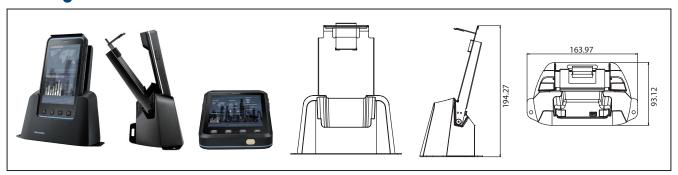
		Configuration											
Part Number	CPU	LCD	Memory	Storage	Rear CAM	Wi-Fi	ВТ	GNSS	4G	NFC	UHF RFID	Barcode Scanner	08
PWS-472-C30E	Cortex-A53	5"	2 GB	16 GB	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes (Honeywell N3680)	Android 5.1







Docking Station



Features

- Suitable for desktop and vehicle-mount installation
- Compliant with SAE J1455 standards for shock and vibration tolerance
- Dock with battery charger only
- Magnetic connector design for easy docking/undocking

- Power input: 5V/1A
- Operating temperature: -20 ~ 60 °C
- Dimensions: 163.97 x 93.12 x 194.27 mm (6.45 x 3.66 x 7.64 in)
- Weight: 450 g (0.99 lb)

Tablet Holster



Features

- Easy-access active pen /stylus holder
- Dimensions: 220 x 156 x 115 mm (8.66 x 6.14 x 4.52 in)
- Weight: 145 g (0.31 lb)
- · Can be worn on the shoulder or waist

Spare Battery



Features

- Capacity: 3.7V/3200mAh
- Dimensions: 83 x 42 x 9 mm (3.26 x 1.65 x 0.35 in)
- Weight: 64 g (0.14 lb)

Multi-Bay Battery Charger



Features

- · Charging time: 3 hr
- Charge status LED indicators
- Operating temperature: 0 ~ 40 °C
- Power input: 19V/3.42A, external adapter included
- Screw holes for table-top/wall-mount installation
- Dimensions: 250 x 112 x 20.7 mm (9.84 x 4.4 x 0.81 in)
- Weight: 420 g (0.92 lb)
- Supports up to 4 external batteries

Ordering Information

Part Number	Description
PWS-470-VCRADLE00E	Docking station with battery charger only
PWS-472-BAT100E	3.7V/3200mAh lithium-polymer battery
PWS-472-BAG100E	Tablet holster
PWS-472-MBC100E	Multi-bay battery charger
1654013554-01	Micro USB magnetic male connector

5" Industrial-Grade Handheld Terminal with ARM® Cortex™-A53 Quad-Core Processor



Features

- ARM® CortexTM-A53, quad-core, 1.3 GHz processor with Android 5.1
- 5" HD (1280 x 720) capacitive touchscreen
- Lightweight design (295 g)
- IP65 rated for protection from water and dust
- Wide operating temperature range (-20 ~ 60 °C/-4 ~ 140 °F)
- Wi-Fi, Bluetooth, GPS, BeiDou, and 4G LTE communication capabilities
- 13-megapixel auto-focus camera and optional 1D/2D barcode scanner



Introduction

PWS-472 is an industrial-grade handheld terminal equipped with an ARM® Cortex™-A53, quad-core, 1.3 GHz processor and a 5" HD (1280 x 720) capacitive touchscreen. The inclusion of Wi-Fi (802.11 a/b/g/n), Bluetooth, GPS, and WWAN communication technologies ensures high connectivity, while the 1D/2D barcode scanner and 13-megapixel camera with auto-focus provide convenient data collection tools. To withstand operation in harsh environments, PWS-472 is IP65 rated for protection from water and dust ingress, making it ideal for retail, warehouse, and manufacturing applications.

Specifications

	Processor	ARM® Cortex™-A53, quad-core, 1.3 GHz						
System	Memory	2 GB						
	Operating System	Android 5.1						
Storage	Flash	16 GB						
Sitilage	SD Card	MicroSD (up to 32 GB)						
	Type	5" LCD						
Display	Resolution	1280 x 720 HD						
	Brightness	350 cd/m ²						
Touchscreen	Туре	Projective capacitive						
IOUCHSCIEEH	Construction	GFF						
Multimedia	Speaker	1 x Internal 1W speaker						
viuitiineuia	Microphone	1 x Internal microphone						
Camera	Rear	1 x 13 MP camera with LED flash and auto focus						
Sensors		E-compass, g-sensor. light sensor						
	I/O Ports	1 x Micro USB 2.0 client (via charging cable)						
	1/0 1 0113	1 x Standard SIM						
/0		1 x Power button						
	Buttons	2 x Scanner trigger buttons						
		4 x Function keys						
Vireless	WLAN/Bluetooth	IEEE 802.11 a/b/g/n Bluetooth V4.1 Bl F						
Wireless Communication	NFC	Compatible with ISO 15693, ISO 14443A/B, MIFARE®						
Julillallication	WWAN (Optional)*	LTE: B1. B3.B38. B39. B40. B41						
GNSS	Satellite System	GPS, GLONASS, Galileo, and BeiDou						
	oatemie oystem	Honeywell N3680 (LED aimer): PWS-472-C10E/C12:						
Scan Engine		Zebra SE4750 (laser aimer): PWS-472-C13						
	Voltage Input	5V. 2A						
Power System	Battery	3.7V 3200mAH lithium-polymer battery (swappable)						
	Dimensions (W x D x H)	82.04 x 160 x 26.89 mm (3.22 x 6.29 x 1.05 in)						
Mechanical	Weight	295 g (0.650 lbs) with battery						
		-20 ~ 60 °C/-4 ~ 140 °F						
	Operating Temperature	(0 ~ 40 °C/32 ~ 104 °F when charging)						
	Storage Temperature	-30 ~ 70 °C/-22 ~ 158 °F						
Invironment	IP Rating	IP65						
	Safety	CB. CCC. BSMI						
	Certifications	CE. FCC. CCC. BSMI. KC						

^{*} WWAN not available in the USA.

Dimensions Unit: mm

Ordering Information

Part Number		Configuration											
Part Nulliber	CPU	LCD	Memory	Storage	Rear CAM	Wi-Fi	BT	GNSS	4G	NFC	Barcode Scanner	OS	
PWS-472-C10E	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Honeywell N3680)	Android 5.1	
PWS-472-C12	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	N/A	Yes	Yes (Honeywell N3680)	Android 5.1	
PWS-472-C13	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Zebra SE4750)	Android 5.1	
PWS-472-C20E	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Android 5.1	

Description
1 x 3.7V 3200mAH lithium-polymer battery
1 x AC/DC adapter
1 x USB to micro USB cable
1 x Hand strap

5" Industrial-Grade Handheld Terminal with ARM® Cortex™-A53 Quad-Core Processor and Infrared Thermometer



Features

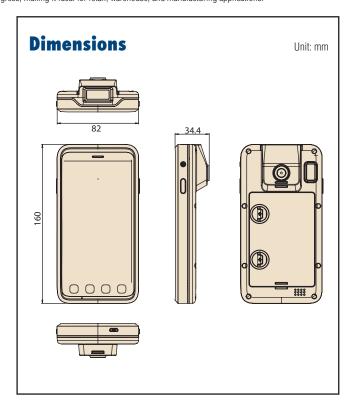
- Integrated infrared thermometer supports rapid temperature data collection and storage
- ARM® CortexTM-A53, quad-core, 1.3 GHz processor with Android 5.1
- 5" HD (1280 x 720) display with projected capacitive multi-touch control
- Screwless battery design for convenient swapping
- 1D/2D barcode scanner and 13-megapixel auto-focus camera for data collection
- Wi-Fi, Bluetooth, GPS, and BeiDou communication capabilities
- Wide operating temperature range (-20 ~ 60 °C/-4 ~ 140 °F)
- IP65 rated for protection from water and dust

Introduction

The PWS-472 with infrared thermometer is an industrial-grade handheld terminal equipped with an ARM® Cortex™-A53, quad-core, 1.3 GHz processor and 5" HD (1280 x 720) projective capacitive touchscreen, as well as integrated infrared thermometer, which provides an effective tool for temperature management. The inclusion of Wi-Fi (802.11 a/b/g/n), Bluetooth, GPS, and WWAN communication technologies ensures high connectivity, while the 1D/2D barcode scanner and 13-megapixel camera with auto-focus provide convenient data collection tools. To withstand operation in harsh environments, PWS-472 is IP65 rated for protection from water and dust ingress, making it ideal for retail, warehouse, and manufacturing applications.

Specifications

	Processor	ARM® Cortex™-A53, quad-core, 1.3 GHz
Core	Memory	2 GB
	Operating System	Android 5.1
Storage	Flash	16 GB
Storage	SD Card	MicroSD (up to 32 GB)
	Туре	5" IPS LCD
Display	Resolution	HD 1280 x 720
	Brightness	350 cd/m ²
Touchscreen	Туре	Projective capacitive multi-touch
Touchscreen	Construction	GFF
Multimedia	Speaker	1 x Internal 1W speaker
Willilliedia	Microphone	1 x Internal microphone
Camera	Rear	1 x 13 MP camera with LED flash and auto focus
Sensors		E-Compass, G-Sensor
	Standard I/O Port	1 x Micro USB 2.0 client (via charging cable) 1 x Standard SIM
I/O Interface	Button	1 x Power button 2 x Scanner trigger buttons 4 x Function keys
Wireless	WLAN/Bluetooth	IEEE 802.11 a/b/g/n Bluetooth 4.0 BLE
Communication	NFC	Compatible with ISO 15693, ISO 14443A/B MIFARE
	WWAN	LTE, B1, B3, B38, B39, B40,B41
	Thermometer	Infrared thermometer
ID TI	Object Temperature Range	-40 ~ 120 °C (-40 ~ 248 °F)
IR Thermometer	Temperature Accuracy	±1 °C (33.8 °F)
	Measurement Distance	< 30 cm (11.8 in)
GNSS	Satellite System	GPS, GLONASS, Galileo, BeiDou
2 0 1	Voltage Input	5V. 2A
Power System	Battery	3.7V 3200mAH lithium-polymer battery (swappable)
	Dimensions (W x D x H)	160 x 82 x 20 mm (6.2 x 3.22 x 0.78 in)
Mechanical	Weight	302 g (0.66 lb) with battery
F 1	Operating Temperature	-20 ~ 60 °C/-4 ~ 140 °F (0 ~ 40 °C/32 ~ 104 °F when charging)
Environment	Storage Temperature	-30 ~ 70 °C/-22 ~ 158 °F
	IP Rating	IP65



Ordering Information

Don't Namehou		Configuration											
Part Number	CPU	LCD	Memory	Storage	Rear CAM	Wi-Fi	BT	GNSS	4G	NFC	TMR	Barcode Scanner	OS
PWS-472-C40	Cortex-A53	5"	2 GR	16 GB	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (SE4750)	Android 5.1

Part Number	Description
PWS-472-BAT100E	1 x 3.7V 3200mAH lithium-polymer battery
N/A	1 x Hand strap
N/A	1 x USB to Micro USB cable
N/A	1 x USB adapter

5" Industrial-Grade Handheld Terminal with ARM® Cortex™-A53 Quad-Core Processor and UHF RFID Reader



Features

- ARM® Cortex[™]-A53, quad-core, 1.3 GHz processor with Android 5.1
- 5" HD (1280 x 720) capacitive touchscreen
- Communication capabilities includes Wi-Fi, Bluetooth, GPS, and BeiDou
- Built-in 13-megapixel auto-focus camera and 1D/2D barcode scanner
- Long-range UHF RFID capabilities (compatible with EPC C-1 G-2/ISO 18000-6C)
- User-friendly trigger button
- IP54 rated for protection from water and dust
- Wide operating temperature range (-20 ~ 60 °C)

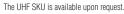
Introduction

PWS-472 UHF RFID reader is designed for wireless long-range data collection. Compliant with EPC C-1 G-2/ISO18000-6C standards, the industrial-grade design is ideal for diverse warehouse, manufacturing, and logistics applications.

Specifications

	Processor	ARM® Cortex™-A53, quad-core, 1.3 GHz
System	Memory	2 GB
	Operating System	Android 5.1
Storage	Flash	16 GB
Sluraye	SD Card	MicroSD (up to 32 GB)
	Туре	5" IPS LCD
Display	Resolution	1280 x 720 HD
	Brightness	350 cd/m ²
Touchscreen	Туре	Capacitive touch
TOUCHSCIECH	Construction	GFF
Multimedia	Speaker	1 x Internal 1W speaker
IVIUILIIIIeuia	Microphone	1 x Internal microphone
Camera	Rear	1 x 13 MP camera with LED flash and auto focus
Sensors		E-compass, g-sensor. light sensor
	I/O Ports	1 x Micro USB 2.0 client (via charging cable) 1 x Standard SIM
1/0	Buttons	1 x Power button 2 x Scanner trigger buttons 4 x Function keys
	WLAN/Bluetooth	IEEE 802.11 a/b/g/n Bluetooth V4.1 BLE
Wireless Communication	UHF RFID	Standard support: EPC C-1 G-2/IS018000-6C Frenquency range: 840 ~960 MHz Output power: 30dBM
GNSS	Satellite System	GPS, GLONASS, Galileo, and BeiDou
Daving Cristian	Voltage Input	5V, 2A
Power System	Battery	3.7V 9600mAH lithium-polymer battery (Non swappable)
Mechanical	Dimensions (W x D x H)	160 x 150 x 80 mm (6.29 x 5.9 x 3.14 in)
IVIECHAIIICAI	Weight	650 g (1.43 lbs) with battery
	Operating Temperature	-20 ~ 60 °C/-4 ~ 140 °F (0 ~ 40 °C/32 ~ 104 °F when charging)
Environment	Storage Temperature	-30 ~ 70 °C/-22 ~ 158 °F
Environment	IP Rating	IP54
	Certification	By project request

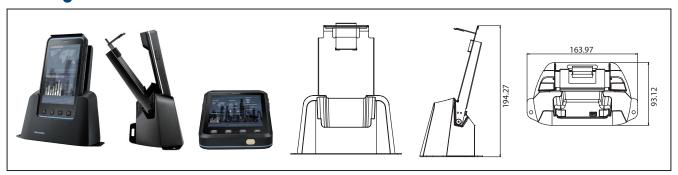
		Configuration											
Part Number	CPU	LCD	Memory	Storage	Rear CAM	Wi-Fi	ВТ	GNSS	4G	NFC	UHF RFID	Barcode Scanner	08
PWS-472-C30E	Cortex-A53	5"	2 GB	16 GB	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes (Honeywell N3680)	Android 5.1







Docking Station



Features

- Suitable for desktop and vehicle-mount installation
- Compliant with SAE J1455 standards for shock and vibration tolerance
- Dock with battery charger only
- Magnetic connector design for easy docking/undocking

- Power input: 5V/1A
- Operating temperature: -20 ~ 60 °C
- Dimensions: 163.97 x 93.12 x 194.27 mm (6.45 x 3.66 x 7.64 in)
- Weight: 450 g (0.99 lb)

Tablet Holster



Features

- Easy-access active pen /stylus holder
- Dimensions: 220 x 156 x 115 mm (8.66 x 6.14 x 4.52 in)
- Weight: 145 g (0.31 lb)
- · Can be worn on the shoulder or waist

Spare Battery



Features

- Capacity: 3.7V/3200mAh
- Dimensions: 83 x 42 x 9 mm (3.26 x 1.65 x 0.35 in)
- Weight: 64 g (0.14 lb)

Multi-Bay Battery Charger



Features

- · Charging time: 3 hr
- Charge status LED indicators
- Operating temperature: 0 ~ 40 °C
- Power input: 19V/3.42A, external adapter included
- Screw holes for table-top/wall-mount installation
- Dimensions: 250 x 112 x 20.7 mm (9.84 x 4.4 x 0.81 in)
- Weight: 420 g (0.92 lb)
- Supports up to 4 external batteries

Ordering Information

Part Number	Description
PWS-470-VCRADLE00E	Docking station with battery charger only
PWS-472-BAT100E	3.7V/3200mAh lithium-polymer battery
PWS-472-BAG100E	Tablet holster
PWS-472-MBC100E	Multi-bay battery charger
1654013554-01	Micro USB magnetic male connector

5" Industrial-Grade Handheld Terminal with ARM® Cortex™-A53 Quad-Core Processor



Features

- ARM® CortexTM-A53, quad-core, 1.3 GHz processor with Android 5.1
- 5" HD (1280 x 720) capacitive touchscreen
- Lightweight design (295 g)
- IP65 rated for protection from water and dust
- Wide operating temperature range (-20 ~ 60 °C/-4 ~ 140 °F)
- Wi-Fi, Bluetooth, GPS, BeiDou, and 4G LTE communication capabilities
- 13-megapixel auto-focus camera and optional 1D/2D barcode scanner



Introduction

PWS-472 is an industrial-grade handheld terminal equipped with an ARM® Cortex™-A53, quad-core, 1.3 GHz processor and a 5" HD (1280 x 720) capacitive touchscreen. The inclusion of Wi-Fi (802.11 a/b/g/n), Bluetooth, GPS, and WWAN communication technologies ensures high connectivity, while the 1D/2D barcode scanner and 13-megapixel camera with auto-focus provide convenient data collection tools. To withstand operation in harsh environments, PWS-472 is IP65 rated for protection from water and dust ingress, making it ideal for retail, warehouse, and manufacturing applications.

Specifications

	Processor	ARM® Cortex™-A53, quad-core, 1.3 GHz						
System	Memory	2 GB						
	Operating System	Android 5.1						
Storage	Flash	16 GB						
Sitilage	SD Card	MicroSD (up to 32 GB)						
	Type	5" LCD						
Display	Resolution	1280 x 720 HD						
	Brightness	350 cd/m ²						
Touchscreen	Туре	Projective capacitive						
IOUCHSCIEEH	Construction	GFF						
Multimedia	Speaker	1 x Internal 1W speaker						
viuitiineuia	Microphone	1 x Internal microphone						
Camera	Rear	1 x 13 MP camera with LED flash and auto focus						
Sensors		E-compass, g-sensor. light sensor						
	I/O Ports	1 x Micro USB 2.0 client (via charging cable)						
	1/0 1 0113	1 x Standard SIM						
/0		1 x Power button						
	Buttons	2 x Scanner trigger buttons						
		4 x Function keys						
Vireless	WLAN/Bluetooth	IEEE 802.11 a/b/g/n Bluetooth V4.1 Bl F						
Wireless Communication	NFC	Compatible with ISO 15693, ISO 14443A/B, MIFARE®						
Julillallication	WWAN (Optional)*	LTE: B1. B3.B38. B39. B40. B41						
GNSS	Satellite System	GPS, GLONASS, Galileo, and BeiDou						
	oatemie oystem	Honeywell N3680 (LED aimer): PWS-472-C10E/C12:						
Scan Engine		Zebra SE4750 (laser aimer): PWS-472-C13						
	Voltage Input	5V. 2A						
Power System	Battery	3.7V 3200mAH lithium-polymer battery (swappable)						
	Dimensions (W x D x H)	82.04 x 160 x 26.89 mm (3.22 x 6.29 x 1.05 in)						
Mechanical	Weight	295 g (0.650 lbs) with battery						
		-20 ~ 60 °C/-4 ~ 140 °F						
	Operating Temperature	(0 ~ 40 °C/32 ~ 104 °F when charging)						
	Storage Temperature	-30 ~ 70 °C/-22 ~ 158 °F						
Invironment	IP Rating	IP65						
	Safety	CB. CCC. BSMI						
	Certifications	CE. FCC. CCC. BSMI. KC						

^{*} WWAN not available in the USA.

Dimensions Unit: mm

Ordering Information

Part Number		Configuration												
Part Nulliber	CPU	LCD	Memory	Storage	Rear CAM	Wi-Fi	BT	GNSS	4G	NFC	Barcode Scanner	OS		
PWS-472-C10E	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Honeywell N3680)	Android 5.1		
PWS-472-C12	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	N/A	Yes	Yes (Honeywell N3680)	Android 5.1		
PWS-472-C13	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Zebra SE4750)	Android 5.1		
PWS-472-C20E	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Android 5.1		

Description
1 x 3.7V 3200mAH lithium-polymer battery
1 x AC/DC adapter
1 x USB to micro USB cable
1 x Hand strap

5" Industrial-Grade Handheld Terminal with ARM® Cortex™-A53 Quad-Core Processor and Infrared Thermometer



Features

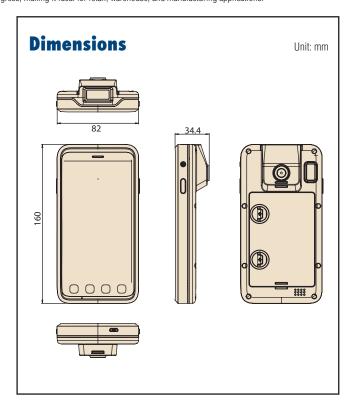
- Integrated infrared thermometer supports rapid temperature data collection and storage
- ARM® CortexTM-A53, quad-core, 1.3 GHz processor with Android 5.1
- 5" HD (1280 x 720) display with projected capacitive multi-touch control
- Screwless battery design for convenient swapping
- 1D/2D barcode scanner and 13-megapixel auto-focus camera for data collection
- Wi-Fi, Bluetooth, GPS, and BeiDou communication capabilities
- Wide operating temperature range (-20 ~ 60 °C/-4 ~ 140 °F)
- IP65 rated for protection from water and dust

Introduction

The PWS-472 with infrared thermometer is an industrial-grade handheld terminal equipped with an ARM® Cortex™-A53, quad-core, 1.3 GHz processor and 5" HD (1280 x 720) projective capacitive touchscreen, as well as integrated infrared thermometer, which provides an effective tool for temperature management. The inclusion of Wi-Fi (802.11 a/b/g/n), Bluetooth, GPS, and WWAN communication technologies ensures high connectivity, while the 1D/2D barcode scanner and 13-megapixel camera with auto-focus provide convenient data collection tools. To withstand operation in harsh environments, PWS-472 is IP65 rated for protection from water and dust ingress, making it ideal for retail, warehouse, and manufacturing applications.

Specifications

	Processor	ARM® Cortex™-A53, quad-core, 1.3 GHz						
Core	Memory	2 GB						
	Operating System	Android 5.1						
Storage	Flash	16 GB						
Storage	SD Card	MicroSD (up to 32 GB)						
	Туре	5" IPS LCD						
Display	Resolution	HD 1280 x 720						
	Brightness	350 cd/m ²						
Touchscreen	Туре	Projective capacitive multi-touch						
Touchscreen	Construction	GFF						
Multimedia	Speaker	1 x Internal 1W speaker						
Willilliedia	Microphone	1 x Internal microphone						
Camera	Rear	1 x 13 MP camera with LED flash and auto focus						
Sensors		E-Compass, G-Sensor						
I/O Interface	Standard I/O Port	1 x Micro USB 2.0 client (via charging cable) 1 x Standard SIM						
	Button	1 x Power button 2 x Scanner trigger buttons 4 x Function keys						
Wireless	WLAN/Bluetooth	IEEE 802.11 a/b/g/n Bluetooth 4.0 BLE						
Communication	NFC	Compatible with ISO 15693, ISO 14443A/B MIFARE						
	WWAN	LTE, B1, B3, B38, B39, B40,B41						
	Thermometer	Infrared thermometer						
ID TI	Object Temperature Range	-40 ~ 120 °C (-40 ~ 248 °F)						
IR Thermometer	Temperature Accuracy	±1 °C (33.8 °F)						
	Measurement Distance	< 30 cm (11.8 in)						
GNSS	Satellite System	GPS, GLONASS, Galileo, BeiDou						
2 0 1	Voltage Input	5V. 2A						
Power System	Battery	3.7V 3200mAH lithium-polymer battery (swappable)						
	Dimensions (W x D x H)	160 x 82 x 20 mm (6.2 x 3.22 x 0.78 in)						
Mechanical	Weight	302 g (0.66 lb) with battery						
F 1	Operating Temperature	-20 ~ 60 °C/-4 ~ 140 °F (0 ~ 40 °C/32 ~ 104 °F when charging)						
Environment	Storage Temperature	-30 ~ 70 °C/-22 ~ 158 °F						
	IP Rating	IP65						



Ordering Information

Don't Namehou		Configuration											
Part Number	CPU	LCD	Memory	Storage	Rear CAM	Wi-Fi	BT	GNSS	4G	NFC	TMR	Barcode Scanner	OS
PWS-472-C40	Cortex-A53	5"	2 GR	16 GB	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (SE4750)	Android 5.1

Part Number	Description
PWS-472-BAT100E	1 x 3.7V 3200mAH lithium-polymer battery
N/A	1 x Hand strap
N/A	1 x USB to Micro USB cable
N/A	1 x USB adapter

5" Industrial-Grade Handheld Terminal with ARM® Cortex™-A53 Quad-Core Processor and UHF RFID Reader



Features

- ARM® Cortex[™]-A53, quad-core, 1.3 GHz processor with Android 5.1
- 5" HD (1280 x 720) capacitive touchscreen
- Communication capabilities includes Wi-Fi, Bluetooth, GPS, and BeiDou
- Built-in 13-megapixel auto-focus camera and 1D/2D barcode scanner
- Long-range UHF RFID capabilities (compatible with EPC C-1 G-2/ISO 18000-6C)
- User-friendly trigger button
- IP54 rated for protection from water and dust
- Wide operating temperature range (-20 ~ 60 °C)

Introduction

PWS-472 UHF RFID reader is designed for wireless long-range data collection. Compliant with EPC C-1 G-2/ISO18000-6C standards, the industrial-grade design is ideal for diverse warehouse, manufacturing, and logistics applications.

Specifications

	Processor	ARM® Cortex™-A53, quad-core, 1.3 GHz
System	Memory	2 GB
	Operating System	Android 5.1
Ctorogo	Flash	16 GB
Storage	SD Card	MicroSD (up to 32 GB)
	Туре	5" IPS LCD
Display	Resolution	1280 x 720 HD
	Brightness	350 cd/m²
Touchscreen	Туре	Capacitive touch
1000113016611	Construction	GFF
Multimedia	Speaker	1 x Internal 1W speaker
	Microphone	1 x Internal microphone
Camera	Rear	1 x 13 MP camera with LED flash and auto focus
Sensors		E-compass, g-sensor. light sensor
	I/O Ports	1 x Micro USB 2.0 client (via charging cable) 1 x Standard SIM
1/0	Buttons	1 x Power button 2 x Scanner trigger buttons 4 x Function keys
	WLAN/Bluetooth	IEEE 802.11 a/b/g/n Bluetooth V4.1 BLE
Wireless Communication	UHF RFID	Standard support: EPC C-1 G-2/IS018000-6C Frenquency range: 840 ~960 MHz Output power: 30dBM
GNSS	Satellite System	GPS, GLONASS, Galileo, and BeiDou
Dowar Custom	Voltage Input	5V, 2A
Power System	Battery	3.7V 9600mAH lithium-polymer battery (Non swappable)
Mechanical	Dimensions (W x D x H)	160 x 150 x 80 mm (6.29 x 5.9 x 3.14 in)
IVIECHAIIICAI	Weight	650 g (1.43 lbs) with battery
	Operating Temperature	-20 ~ 60 °C/-4 ~ 140 °F (0 ~ 40 °C/32 ~ 104 °F when charging)
Environment	Storage Temperature	-30 ~ 70 °C/-22 ~ 158 °F
EUMOUIUGUI	IP Rating	IP54
	Certification	By project request

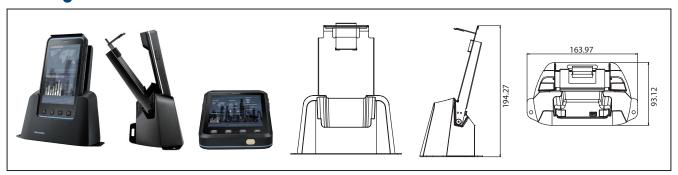
		Configuration											
Part Number	CPU	LCD	Memory	Storage	Rear CAM	Wi-Fi	ВТ	GNSS	4G	NFC	UHF RFID	Barcode Scanner	08
PWS-472-C30E	Cortex-A53	5"	2 GB	16 GB	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes (Honeywell N3680)	Android 5.1







Docking Station



Features

- Suitable for desktop and vehicle-mount installation
- Compliant with SAE J1455 standards for shock and vibration tolerance
- Dock with battery charger only
- Magnetic connector design for easy docking/undocking

- Power input: 5V/1A
- Operating temperature: -20 ~ 60 °C
- Dimensions: 163.97 x 93.12 x 194.27 mm (6.45 x 3.66 x 7.64 in)
- Weight: 450 g (0.99 lb)

Tablet Holster



Features

- Easy-access active pen /stylus holder
- Dimensions: 220 x 156 x 115 mm (8.66 x 6.14 x 4.52 in)
- Weight: 145 g (0.31 lb)
- · Can be worn on the shoulder or waist

Spare Battery



Features

- Capacity: 3.7V/3200mAh
- Dimensions: 83 x 42 x 9 mm (3.26 x 1.65 x 0.35 in)
- Weight: 64 g (0.14 lb)

Multi-Bay Battery Charger



Features

- · Charging time: 3 hr
- Charge status LED indicators
- Operating temperature: 0 ~ 40 °C
- Power input: 19V/3.42A, external adapter included
- Screw holes for table-top/wall-mount installation
- Dimensions: 250 x 112 x 20.7 mm (9.84 x 4.4 x 0.81 in)
- Weight: 420 g (0.92 lb)
- Supports up to 4 external batteries

Ordering Information

Part Number	Description
PWS-470-VCRADLE00E	Docking station with battery charger only
PWS-472-BAT100E	3.7V/3200mAh lithium-polymer battery
PWS-472-BAG100E	Tablet holster
PWS-472-MBC100E	Multi-bay battery charger
1654013554-01	Micro USB magnetic male connector

5" Industrial-Grade Handheld Terminal with ARM® Cortex™-A53 Quad-Core Processor



Features

- ARM® CortexTM-A53, quad-core, 1.3 GHz processor with Android 5.1
- 5" HD (1280 x 720) capacitive touchscreen
- Lightweight design (295 g)
- IP65 rated for protection from water and dust
- Wide operating temperature range (-20 ~ 60 °C/-4 ~ 140 °F)
- Wi-Fi, Bluetooth, GPS, BeiDou, and 4G LTE communication capabilities
- 13-megapixel auto-focus camera and optional 1D/2D barcode scanner



Introduction

PWS-472 is an industrial-grade handheld terminal equipped with an ARM® Cortex™-A53, quad-core, 1.3 GHz processor and a 5" HD (1280 x 720) capacitive touchscreen. The inclusion of Wi-Fi (802.11 a/b/g/n), Bluetooth, GPS, and WWAN communication technologies ensures high connectivity, while the 1D/2D barcode scanner and 13-megapixel camera with auto-focus provide convenient data collection tools. To withstand operation in harsh environments, PWS-472 is IP65 rated for protection from water and dust ingress, making it ideal for retail, warehouse, and manufacturing applications.

Specifications

	Processor	ARM® Cortex™-A53, quad-core, 1.3 GHz							
System	Memory	2 GB							
	Operating System	Android 5.1							
Storage	Flash	16 GB							
Sitilage	SD Card	MicroSD (up to 32 GB)							
	Type	5" LCD							
Display	Resolution	1280 x 720 HD							
	Brightness	350 cd/m ²							
Touchscreen	Туре	Projective capacitive							
IOUCHSCIEEH	Construction	GFF							
Multimedia	Speaker	1 x Internal 1W speaker							
viuitiineuia	Microphone	1 x Internal microphone							
Camera	Rear	1 x 13 MP camera with LED flash and auto focus							
Sensors		E-compass, g-sensor. light sensor							
	I/O Ports	1 x Micro USB 2.0 client (via charging cable)							
	1/0 1 0113	1 x Standard SIM							
/0		1 x Power button							
	Buttons	2 x Scanner trigger buttons							
		4 x Function keys							
Vireless	WLAN/Bluetooth	IEEE 802.11 a/b/g/n Bluetooth V4.1 BLF							
Wireless Communication	NFC	Compatible with ISO 15693, ISO 14443A/B, MIFARE®							
Julillallication	WWAN (Optional)*	LTE: B1. B3.B38. B39. B40. B41							
GNSS	Satellite System	GPS, GLONASS, Galileo, and BeiDou							
	oatemie oystem	Honeywell N3680 (LED aimer): PWS-472-C10E/C12:							
Scan Engine		Zebra SE4750 (laser aimer): PWS-472-C13							
	Voltage Input	5V. 2A							
Power System	Battery	3.7V 3200mAH lithium-polymer battery (swappable)							
	Dimensions (W x D x H)	82.04 x 160 x 26.89 mm (3.22 x 6.29 x 1.05 in)							
Mechanical	Weight	295 g (0.650 lbs) with battery							
		-20 ~ 60 °C/-4 ~ 140 °F							
	Operating Temperature	(0 ~ 40 °C/32 ~ 104 °F when charging)							
	Storage Temperature	-30 ~ 70 °C/-22 ~ 158 °F							
Invironment	IP Rating	IP65							
	Safety	CB. CCC. BSMI							
	Certifications	CE. FCC. CCC. BSMI. KC							

^{*} WWAN not available in the USA.

Dimensions Unit: mm

Ordering Information

Part Number		Configuration												
Part Nulliber	CPU	LCD	Memory	Storage	Rear CAM	Wi-Fi	BT	GNSS	4G	NFC	Barcode Scanner	OS		
PWS-472-C10E	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Honeywell N3680)	Android 5.1		
PWS-472-C12	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	N/A	Yes	Yes (Honeywell N3680)	Android 5.1		
PWS-472-C13	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Zebra SE4750)	Android 5.1		
PWS-472-C20E	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Android 5.1		

Description
1 x 3.7V 3200mAH lithium-polymer battery
1 x AC/DC adapter
1 x USB to micro USB cable
1 x Hand strap

5" Industrial-Grade Handheld Terminal with ARM® Cortex™-A53 Quad-Core Processor and Infrared Thermometer



Features

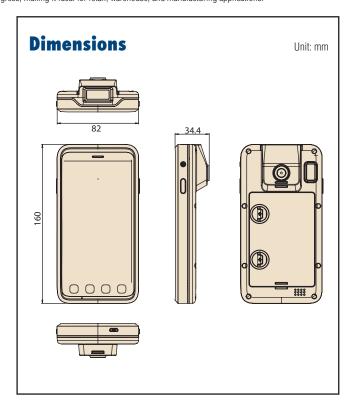
- Integrated infrared thermometer supports rapid temperature data collection and storage
- ARM® CortexTM-A53, quad-core, 1.3 GHz processor with Android 5.1
- 5" HD (1280 x 720) display with projected capacitive multi-touch control
- Screwless battery design for convenient swapping
- 1D/2D barcode scanner and 13-megapixel auto-focus camera for data collection
- Wi-Fi, Bluetooth, GPS, and BeiDou communication capabilities
- Wide operating temperature range (-20 ~ 60 °C/-4 ~ 140 °F)
- IP65 rated for protection from water and dust

Introduction

The PWS-472 with infrared thermometer is an industrial-grade handheld terminal equipped with an ARM® Cortex™-A53, quad-core, 1.3 GHz processor and 5" HD (1280 x 720) projective capacitive touchscreen, as well as integrated infrared thermometer, which provides an effective tool for temperature management. The inclusion of Wi-Fi (802.11 a/b/g/n), Bluetooth, GPS, and WWAN communication technologies ensures high connectivity, while the 1D/2D barcode scanner and 13-megapixel camera with auto-focus provide convenient data collection tools. To withstand operation in harsh environments, PWS-472 is IP65 rated for protection from water and dust ingress, making it ideal for retail, warehouse, and manufacturing applications.

Specifications

	Processor	ARM® Cortex™-A53, quad-core, 1.3 GHz						
Core	Memory	2 GB						
	Operating System	Android 5.1						
Storage	Flash	16 GB						
Storage	SD Card	MicroSD (up to 32 GB)						
	Туре	5" IPS LCD						
Display	Resolution	HD 1280 x 720						
	Brightness	350 cd/m ²						
Touchscreen	Туре	Projective capacitive multi-touch						
Touchscreen	Construction	GFF						
Multimedia	Speaker	1 x Internal 1W speaker						
Willilliedia	Microphone	1 x Internal microphone						
Camera	Rear	1 x 13 MP camera with LED flash and auto focus						
Sensors		E-Compass, G-Sensor						
I/O Interface	Standard I/O Port	1 x Micro USB 2.0 client (via charging cable) 1 x Standard SIM						
	Button	1 x Power button 2 x Scanner trigger buttons 4 x Function keys						
Wireless	WLAN/Bluetooth	IEEE 802.11 a/b/g/n Bluetooth 4.0 BLE						
Communication	NFC	Compatible with ISO 15693, ISO 14443A/B MIFARE						
	WWAN	LTE, B1, B3, B38, B39, B40,B41						
	Thermometer	Infrared thermometer						
ID TI	Object Temperature Range	-40 ~ 120 °C (-40 ~ 248 °F)						
IR Thermometer	Temperature Accuracy	±1 °C (33.8 °F)						
	Measurement Distance	< 30 cm (11.8 in)						
GNSS	Satellite System	GPS, GLONASS, Galileo, BeiDou						
2 0 1	Voltage Input	5V. 2A						
Power System	Battery	3.7V 3200mAH lithium-polymer battery (swappable)						
	Dimensions (W x D x H)	160 x 82 x 20 mm (6.2 x 3.22 x 0.78 in)						
Mechanical	Weight	302 g (0.66 lb) with battery						
F 1	Operating Temperature	-20 ~ 60 °C/-4 ~ 140 °F (0 ~ 40 °C/32 ~ 104 °F when charging)						
Environment	Storage Temperature	-30 ~ 70 °C/-22 ~ 158 °F						
	IP Rating	IP65						



Ordering Information

Don't Namehou		Configuration											
Part Number	CPU	LCD	Memory	Storage	Rear CAM	Wi-Fi	BT	GNSS	4G	NFC	TMR	Barcode Scanner	OS
PWS-472-C40	Cortex-A53	5"	2 GR	16 GB	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (SE4750)	Android 5.1

Part Number	Description
PWS-472-BAT100E	1 x 3.7V 3200mAH lithium-polymer battery
N/A	1 x Hand strap
N/A	1 x USB to Micro USB cable
N/A	1 x USB adapter

5" Industrial-Grade Handheld Terminal with ARM® Cortex™-A53 Quad-Core Processor and UHF RFID Reader



Features

- ARM® Cortex[™]-A53, quad-core, 1.3 GHz processor with Android 5.1
- 5" HD (1280 x 720) capacitive touchscreen
- Communication capabilities includes Wi-Fi, Bluetooth, GPS, and BeiDou
- Built-in 13-megapixel auto-focus camera and 1D/2D barcode scanner
- Long-range UHF RFID capabilities (compatible with EPC C-1 G-2/ISO 18000-6C)
- User-friendly trigger button
- IP54 rated for protection from water and dust
- Wide operating temperature range (-20 ~ 60 °C)

Introduction

PWS-472 UHF RFID reader is designed for wireless long-range data collection. Compliant with EPC C-1 G-2/ISO18000-6C standards, the industrial-grade design is ideal for diverse warehouse, manufacturing, and logistics applications.

Specifications

	Processor	ARM® Cortex™-A53, quad-core, 1.3 GHz
System	Memory	2 GB
	Operating System	Android 5.1
Ctorogo	Flash	16 GB
Storage	SD Card	MicroSD (up to 32 GB)
	Туре	5" IPS LCD
Display	Resolution	1280 x 720 HD
	Brightness	350 cd/m²
Touchscreen	Туре	Capacitive touch
1000113016611	Construction	GFF
Multimedia	Speaker	1 x Internal 1W speaker
	Microphone	1 x Internal microphone
Camera	Rear	1 x 13 MP camera with LED flash and auto focus
Sensors		E-compass, g-sensor. light sensor
	I/O Ports	1 x Micro USB 2.0 client (via charging cable) 1 x Standard SIM
1/0	Buttons	1 x Power button 2 x Scanner trigger buttons 4 x Function keys
	WLAN/Bluetooth	IEEE 802.11 a/b/g/n Bluetooth V4.1 BLE
Wireless Communication	UHF RFID	Standard support: EPC C-1 G-2/IS018000-6C Frenquency range: 840 ~960 MHz Output power: 30dBM
GNSS	Satellite System	GPS, GLONASS, Galileo, and BeiDou
Dowar Custom	Voltage Input	5V, 2A
Power System	Battery	3.7V 9600mAH lithium-polymer battery (Non swappable)
Mechanical	Dimensions (W x D x H)	160 x 150 x 80 mm (6.29 x 5.9 x 3.14 in)
IVIECHAIIICAI	Weight	650 g (1.43 lbs) with battery
	Operating Temperature	-20 ~ 60 °C/-4 ~ 140 °F (0 ~ 40 °C/32 ~ 104 °F when charging)
Environment	Storage Temperature	-30 ~ 70 °C/-22 ~ 158 °F
EUMOUIUGUI	IP Rating	IP54
	Certification	By project request

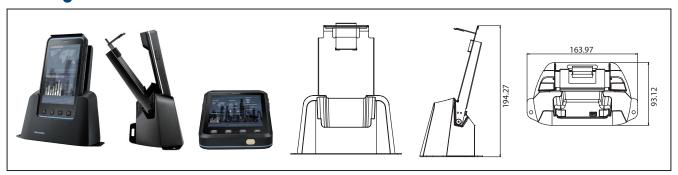
		Configuration											
Part Number	CPU	LCD	Memory	Storage	Rear CAM	Wi-Fi	ВТ	GNSS	4G	NFC	UHF RFID	Barcode Scanner	08
PWS-472-C30E	Cortex-A53	5"	2 GB	16 GB	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes (Honeywell N3680)	Android 5.1







Docking Station



Features

- Suitable for desktop and vehicle-mount installation
- Compliant with SAE J1455 standards for shock and vibration tolerance
- Dock with battery charger only
- Magnetic connector design for easy docking/undocking

- Power input: 5V/1A
- Operating temperature: -20 ~ 60 °C
- Dimensions: 163.97 x 93.12 x 194.27 mm (6.45 x 3.66 x 7.64 in)
- Weight: 450 g (0.99 lb)

Tablet Holster



Features

- Easy-access active pen /stylus holder
- Dimensions: 220 x 156 x 115 mm (8.66 x 6.14 x 4.52 in)
- Weight: 145 g (0.31 lb)
- · Can be worn on the shoulder or waist

Spare Battery



Features

- Capacity: 3.7V/3200mAh
- Dimensions: 83 x 42 x 9 mm (3.26 x 1.65 x 0.35 in)
- Weight: 64 g (0.14 lb)

Multi-Bay Battery Charger



Features

- · Charging time: 3 hr
- Charge status LED indicators
- Operating temperature: 0 ~ 40 °C
- Power input: 19V/3.42A, external adapter included
- Screw holes for table-top/wall-mount installation
- Dimensions: 250 x 112 x 20.7 mm (9.84 x 4.4 x 0.81 in)
- Weight: 420 g (0.92 lb)
- Supports up to 4 external batteries

Ordering Information

Part Number	Description
PWS-470-VCRADLE00E	Docking station with battery charger only
PWS-472-BAT100E	3.7V/3200mAh lithium-polymer battery
PWS-472-BAG100E	Tablet holster
PWS-472-MBC100E	Multi-bay battery charger
1654013554-01	Micro USB magnetic male connector

5" Industrial-Grade Handheld Terminal with ARM® Cortex™-A53 Quad-Core Processor



Features

- ARM® CortexTM-A53, quad-core, 1.3 GHz processor with Android 5.1
- 5" HD (1280 x 720) capacitive touchscreen
- Lightweight design (295 g)
- IP65 rated for protection from water and dust
- Wide operating temperature range (-20 ~ 60 °C/-4 ~ 140 °F)
- Wi-Fi, Bluetooth, GPS, BeiDou, and 4G LTE communication capabilities
- 13-megapixel auto-focus camera and optional 1D/2D barcode scanner



Introduction

PWS-472 is an industrial-grade handheld terminal equipped with an ARM® Cortex™-A53, quad-core, 1.3 GHz processor and a 5" HD (1280 x 720) capacitive touchscreen. The inclusion of Wi-Fi (802.11 a/b/g/n), Bluetooth, GPS, and WWAN communication technologies ensures high connectivity, while the 1D/2D barcode scanner and 13-megapixel camera with auto-focus provide convenient data collection tools. To withstand operation in harsh environments, PWS-472 is IP65 rated for protection from water and dust ingress, making it ideal for retail, warehouse, and manufacturing applications.

Specifications

	Processor	ARM® Cortex™-A53, quad-core, 1.3 GHz				
System	Memory	2 GB				
	Operating System	Android 5.1				
Storage	Flash	16 GB				
Sitilage	SD Card	MicroSD (up to 32 GB)				
	Type	5" LCD				
Display	Resolution	1280 x 720 HD				
	Brightness	350 cd/m ²				
Touchscreen	Туре	Projective capacitive				
IOUCHSCIEEH	Construction	GFF				
Multimedia	Speaker	1 x Internal 1W speaker				
viuitiineuia	Microphone	1 x Internal microphone				
Camera	Rear	1 x 13 MP camera with LED flash and auto focus				
Sensors		E-compass, g-sensor. light sensor				
	I/O Ports	1 x Micro USB 2.0 client (via charging cable)				
	1/0 1 0113	1 x Standard SIM				
/0		1 x Power button				
	Buttons	2 x Scanner trigger buttons				
		4 x Function keys				
Vireless	WLAN/Bluetooth	IEEE 802.11 a/b/g/n Bluetooth V4.1 Bl F				
Wireless Communication	NFC	Compatible with ISO 15693, ISO 14443A/B, MIFARE®				
Julillallication	WWAN (Optional)*	LTE: B1. B3.B38. B39. B40. B41				
GNSS	Satellite System	GPS, GLONASS, Galileo, and BeiDou				
	oatemie oystem	Honeywell N3680 (LED aimer): PWS-472-C10E/C12:				
Scan Engine		Zebra SE4750 (laser aimer): PWS-472-C13				
	Voltage Input	5V. 2A				
Power System	Battery	3.7V 3200mAH lithium-polymer battery (swappable)				
	Dimensions (W x D x H)	82.04 x 160 x 26.89 mm (3.22 x 6.29 x 1.05 in)				
Mechanical	Weight	295 g (0.650 lbs) with battery				
		-20 ~ 60 °C/-4 ~ 140 °F				
	Operating Temperature	(0 ~ 40 °C/32 ~ 104 °F when charging)				
	Storage Temperature	-30 ~ 70 °C/-22 ~ 158 °F				
Invironment	IP Rating	IP65				
	Safety	CB. CCC. BSMI				
	Certifications	CE. FCC. CCC. BSMI. KC				

^{*} WWAN not available in the USA.

Dimensions Unit: mm

Ordering Information

Part Number						Conf	igurati	on				
Part Nulliber	CPU	LCD	Memory	Storage	Rear CAM	Wi-Fi	BT	GNSS	4G	NFC	Barcode Scanner	OS
PWS-472-C10E	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Honeywell N3680)	Android 5.1
PWS-472-C12	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	N/A	Yes	Yes (Honeywell N3680)	Android 5.1
PWS-472-C13	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Zebra SE4750)	Android 5.1
PWS-472-C20E	Cortex-A53	5"	2GB	16GB	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Android 5.1

Description
1 x 3.7V 3200mAH lithium-polymer battery
1 x AC/DC adapter
1 x USB to micro USB cable
1 x Hand strap

5" Industrial-Grade Handheld Terminal with ARM® Cortex™-A53 Quad-Core Processor and Infrared Thermometer



Features

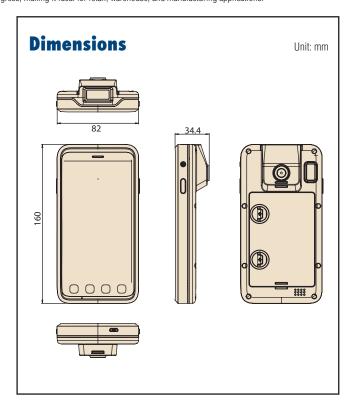
- Integrated infrared thermometer supports rapid temperature data collection and storage
- ARM® CortexTM-A53, quad-core, 1.3 GHz processor with Android 5.1
- 5" HD (1280 x 720) display with projected capacitive multi-touch control
- Screwless battery design for convenient swapping
- 1D/2D barcode scanner and 13-megapixel auto-focus camera for data collection
- Wi-Fi, Bluetooth, GPS, and BeiDou communication capabilities
- Wide operating temperature range (-20 ~ 60 °C/-4 ~ 140 °F)
- IP65 rated for protection from water and dust

Introduction

The PWS-472 with infrared thermometer is an industrial-grade handheld terminal equipped with an ARM® Cortex™-A53, quad-core, 1.3 GHz processor and 5" HD (1280 x 720) projective capacitive touchscreen, as well as integrated infrared thermometer, which provides an effective tool for temperature management. The inclusion of Wi-Fi (802.11 a/b/g/n), Bluetooth, GPS, and WWAN communication technologies ensures high connectivity, while the 1D/2D barcode scanner and 13-megapixel camera with auto-focus provide convenient data collection tools. To withstand operation in harsh environments, PWS-472 is IP65 rated for protection from water and dust ingress, making it ideal for retail, warehouse, and manufacturing applications.

Specifications

	Processor	ARM® Cortex™-A53, quad-core, 1.3 GHz
Core	Memory	2 GB
	Operating System	Android 5.1
Storage	Flash	16 GB
Storage	SD Card	MicroSD (up to 32 GB)
	Туре	5" IPS LCD
Display	Resolution	HD 1280 x 720
	Brightness	350 cd/m ²
Touchscreen	Туре	Projective capacitive multi-touch
Touchscreen	Construction	GFF
Multimedia	Speaker	1 x Internal 1W speaker
Willilliedia	Microphone	1 x Internal microphone
Camera	Rear	1 x 13 MP camera with LED flash and auto focus
Sensors		E-Compass, G-Sensor
	Standard I/O Port	1 x Micro USB 2.0 client (via charging cable) 1 x Standard SIM
I/O Interface	Button	1 x Power button 2 x Scanner trigger buttons 4 x Function keys
Wireless	WLAN/Bluetooth	IEEE 802.11 a/b/g/n Bluetooth 4.0 BLE
Communication	NFC	Compatible with ISO 15693, ISO 14443A/B MIFARE
	WWAN	LTE, B1, B3, B38, B39, B40,B41
	Thermometer	Infrared thermometer
ID TI	Object Temperature Range	-40 ~ 120 °C (-40 ~ 248 °F)
IR Thermometer	Temperature Accuracy	±1 °C (33.8 °F)
	Measurement Distance	< 30 cm (11.8 in)
GNSS	Satellite System	GPS, GLONASS, Galileo, BeiDou
2 0 1	Voltage Input	5V. 2A
Power System	Battery	3.7V 3200mAH lithium-polymer battery (swappable)
	Dimensions (W x D x H)	160 x 82 x 20 mm (6.2 x 3.22 x 0.78 in)
Mechanical	Weight	302 g (0.66 lb) with battery
F 1	Operating Temperature	-20 ~ 60 °C/-4 ~ 140 °F (0 ~ 40 °C/32 ~ 104 °F when charging)
Environment	Storage Temperature	-30 ~ 70 °C/-22 ~ 158 °F
	IP Rating	IP65



Ordering Information

Don't Namehou		Configuration											
Part Number	CPU	LCD	Memory	Storage	Rear CAM	Wi-Fi	BT	GNSS	4G	NFC	TMR	Barcode Scanner	OS
PWS-472-C40	Cortex-A53	5"	2 GR	16 GB	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (SE4750)	Android 5.1

Part Number	Description
PWS-472-BAT100E	1 x 3.7V 3200mAH lithium-polymer battery
N/A	1 x Hand strap
N/A	1 x USB to Micro USB cable
N/A	1 x USB adapter

5" Industrial-Grade Handheld Terminal with ARM® Cortex™-A53 Quad-Core Processor and UHF RFID Reader



Features

- ARM® Cortex[™]-A53, quad-core, 1.3 GHz processor with Android 5.1
- 5" HD (1280 x 720) capacitive touchscreen
- Communication capabilities includes Wi-Fi, Bluetooth, GPS, and BeiDou
- Built-in 13-megapixel auto-focus camera and 1D/2D barcode scanner
- Long-range UHF RFID capabilities (compatible with EPC C-1 G-2/ISO 18000-6C)
- User-friendly trigger button
- IP54 rated for protection from water and dust
- Wide operating temperature range (-20 ~ 60 °C)

Introduction

PWS-472 UHF RFID reader is designed for wireless long-range data collection. Compliant with EPC C-1 G-2/ISO18000-6C standards, the industrial-grade design is ideal for diverse warehouse, manufacturing, and logistics applications.

Specifications

	Processor	ARM® Cortex™-A53, quad-core, 1.3 GHz
System	Memory	2 GB
	Operating System	Android 5.1
Ctorogo	Flash	16 GB
Storage	SD Card	MicroSD (up to 32 GB)
	Туре	5" IPS LCD
Display	Resolution	1280 x 720 HD
	Brightness	350 cd/m²
Touchscreen	Туре	Capacitive touch
1000113016611	Construction	GFF
Multimedia	Speaker	1 x Internal 1W speaker
	Microphone	1 x Internal microphone
Camera	Rear	1 x 13 MP camera with LED flash and auto focus
Sensors		E-compass, g-sensor. light sensor
	I/O Ports	1 x Micro USB 2.0 client (via charging cable) 1 x Standard SIM
1/0	Buttons	1 x Power button 2 x Scanner trigger buttons 4 x Function keys
	WLAN/Bluetooth	IEEE 802.11 a/b/g/n Bluetooth V4.1 BLE
Wireless Communication	UHF RFID	Standard support: EPC C-1 G-2/IS018000-6C Frenquency range: 840 ~960 MHz Output power: 30dBM
GNSS	Satellite System	GPS, GLONASS, Galileo, and BeiDou
Dowar Custom	Voltage Input	5V, 2A
Power System	Battery	3.7V 9600mAH lithium-polymer battery (Non swappable)
Mechanical	Dimensions (W x D x H)	160 x 150 x 80 mm (6.29 x 5.9 x 3.14 in)
IVIECHAIIICAI	Weight	650 g (1.43 lbs) with battery
	Operating Temperature	-20 ~ 60 °C/-4 ~ 140 °F (0 ~ 40 °C/32 ~ 104 °F when charging)
Environment	Storage Temperature	-30 ~ 70 °C/-22 ~ 158 °F
EUMOUIUGUI	IP Rating	IP54
	Certification	By project request

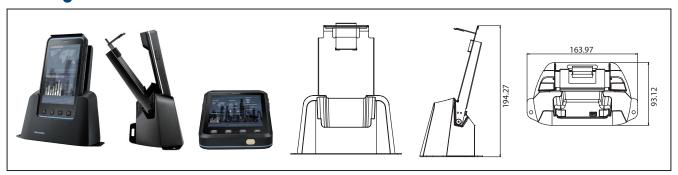
	Configuration												
Part Number	CPU	LCD	Memory	Storage	Rear CAM	Wi-Fi	ВТ	GNSS	4G	NFC	UHF RFID	Barcode Scanner	OS
PWS-472-C30E	Cortex-A53	5"	2 GB	16 GB	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes (Honeywell N3680)	Android 5.1







Docking Station



Features

- Suitable for desktop and vehicle-mount installation
- Compliant with SAE J1455 standards for shock and vibration tolerance
- Dock with battery charger only
- Magnetic connector design for easy docking/undocking

- Power input: 5V/1A
- Operating temperature: -20 ~ 60 °C
- Dimensions: 163.97 x 93.12 x 194.27 mm (6.45 x 3.66 x 7.64 in)
- Weight: 450 g (0.99 lb)

Tablet Holster



Features

- Easy-access active pen /stylus holder
- Dimensions: 220 x 156 x 115 mm (8.66 x 6.14 x 4.52 in)
- Weight: 145 g (0.31 lb)
- · Can be worn on the shoulder or waist

Spare Battery



Features

- Capacity: 3.7V/3200mAh
- Dimensions: 83 x 42 x 9 mm (3.26 x 1.65 x 0.35 in)
- Weight: 64 g (0.14 lb)

Multi-Bay Battery Charger



Features

- · Charging time: 3 hr
- Charge status LED indicators
- Operating temperature: 0 ~ 40 °C
- Power input: 19V/3.42A, external adapter included
- Screw holes for table-top/wall-mount installation
- Dimensions: 250 x 112 x 20.7 mm (9.84 x 4.4 x 0.81 in)
- Weight: 420 g (0.92 lb)
- Supports up to 4 external batteries

Ordering Information

Part Number	Description
PWS-470-VCRADLE00E	Docking station with battery charger only
PWS-472-BAT100E	3.7V/3200mAh lithium-polymer battery
PWS-472-BAG100E	Tablet holster
PWS-472-MBC100E	Multi-bay battery charger
1654013554-01	Micro USB magnetic male connector

5" Industrial-Grade Handheld Terminal with ARM® Cortex™-A53 Quad-Core Processor and Infrared Thermometer



Features

- Integrated infrared thermometer supports rapid temperature data collection and storage
- ARM® Cortex™-A53, quad-core, 1.3 GHz processor with Android 5.1
- 5" HD (1280 x 720) display with projected capacitive multi-touch control
- Screwless battery design for convenient swapping
- 1D/2D barcode scanner and 13-megapixel auto-focus camera for data collection
- Wi-Fi, Bluetooth, GPS, and BeiDou communication capabilities
- Wide operating temperature range (-20 ~ 60 °C/-4 ~ 140 °F)
- IP65 rated for protection from water and dust

Introduction

The PWS-472 with infrared thermometer is an industrial-grade handheld terminal equipped with an ARM® Cortex™-A53, quad-core, 1.3 GHz processor and 5" HD (1280 x 720) projective capacitive touchscreen, as well as integrated infrared thermometer, which provides an effective tool for temperature management. The inclusion of Wi-Fi (802.11 a/b/g/n), Bluetooth, GPS, and WWAN communication technologies ensures high connectivity, while the 1D/2D barcode scanner and 13-megapixel camera with auto-focus provide convenient data collection tools. To withstand operation in harsh environments, PWS-472 is IP65 rated for protection from water and dust ingress, making it ideal for retail, warehouse, and manufacturing applications.

Specifications

	Processor	ARM® Cortex™-A53, quad-core, 1.3 GHz					
Core	Memory	2 GB					
	Operating System	Android 5.1					
Storage	Flash	16 GB					
Storage	SD Card	MicroSD (up to 32 GB)					
Display	Туре	5" IPS LCD					
	Resolution	HD 1280 x 720					
	Brightness	350 cd/m ²					
Touchscreen	Type	Projective capacitive multi-touch					
	Construction	GFF					
Multimedia	Speaker	1 x Internal 1W speaker					
	Microphone	1 x Internal microphone					
Camera Rear		1 x 13 MP camera with LED flash and auto focus					
Sensors		E-Compass, G-Sensor					
I/O Interface	Standard I/O Port	1 x Micro USB 2.0 client (via charging cable) 1 x Standard SIM					
	Button	1 x Power button 2 x Scanner trigger buttons 4 x Function keys					
Wireless	WLAN/Bluetooth	IEEE 802.11 a/b/g/n Bluetooth 4.0 BLE					
Communication	NFC	Compatible with ISO 15693, ISO 14443A/B MIFARE					
	WWAN	LTE, B1, B3, B38, B39, B40,B41					
	Thermometer	Infrared thermometer					
	Object Temperature Range	-40 ~ 120 °C (-40 ~ 248 °F)					
IR Thermometer	Temperature Accuracy	±2 °C (35.6 °F)					
	Measurement Distance	< 30 cm (11.8 in)					
GNSS	Satellite System	GPS, GLONASS, Galileo, BeiDou					
D 0 1	Voltage Input	5V, 2A					
Power System	Battery	3.7V 3200mAH lithium-polymer battery (swappable)					
Mechanical	Dimensions (W x D x H)	160 x 82 x 34.95 mm (6.2 x 3.22 x 1.38 in)					
	Weight	302 g (0.66 lb) with battery					
F 1	Operating Temperature	-20 ~ 60 °C/-4 ~ 140 °F (0 ~ 40 °C/32 ~ 104 °F when charging)					
Environment	Storage Temperature	-30 ~ 70 °C/-22 ~ 158 °F					
	IP Rating	IP65					

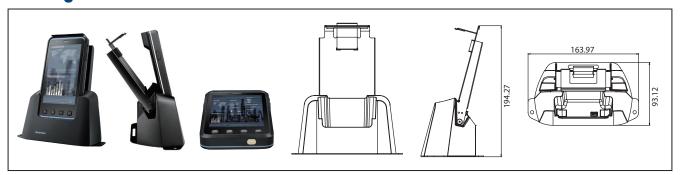
Dimensions Unit: mm 34.95 32.44 20.85

Ordering Information

David Normalian		Configuration												
Part Number	CPU	LCD	Memory	Storage	Rear CAM	Wi-Fi	BT	GNSS	4G	NFC	TMR	Barcode Scanner	OS	
PWS-472-C40	Cortex-A53	5"	2 GB	16 GB	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (SF4750)	Android 5.1	

Part Number	Description
PWS-472-BAT100E	1 x 3.7V 3200mAH lithium-polymer battery
N/A	1 x Hand strap
N/A	1 x USB to Micro USB cable
N/A	1 x USB adapter

Docking Station



Features

- Suitable for desktop and vehicle-mount installation
- Compliant with SAE J1455 standards for shock and vibration tolerance
- Dock with battery charger only
- Magnetic connector design for easy docking/undocking

- Power input: 5V/1A
- Operating temperature: -20 ~ 60 °C
- Dimensions: 163.97 x 93.12 x 194.27 mm (6.45 x 3.66 x 7.64 in)
- Weight: 450 g (0.99 lb)

Tablet Holster



Features

- · Easy-access active pen /stylus holder
- Dimensions: 220 x 156 x 115 mm (8.66 x 6.14 x 4.52 in)
- Weight: 145 g (0.31 lb)
- · Can be worn on the shoulder or waist

Spare Battery



Features

- Capacity: 3.7V/3200mAh
- Dimensions: 83 x 42 x 9 mm (3.26 x 1.65 x 0.35 in)
- Weight: 64 g (0.14 lb)

Multi-Bay Battery Charger



Features

- · Charging time: 3 hr
- Charge status LED indicators
- Operating temperature: 0 ~ 40 °C
- Power input: 19V/3.42A, external adapter included
- Screw holes for table-top/wall-mount installation
- Dimensions: 250 x 112 x 20.7 mm (9.84 x 4.4 x 0.81 in)
- Weight: 420 g (0.92 lb)
- Supports up to 4 external batteries
- Power cord is optional

Ordering Information

Part Number	Description
PWS-470-VCRADLE00E	Docking station with battery charger only
PWS-472-BAT100E	3.7V/3200mAh lithium-polymer battery
PWS-472-BAG100E	Tablet holster
PWS-472-MBC100E	Multi-bay battery charger
1654013554-01	Micro USB magnetic male connector
1700001524	Power cord of multi-bay battery charger (USA) UL 3P 10A 125V 183 cm
1700008921	Power cord of multi-bay battery charger (Japan) PSE 3P 7A 125V 183 cm
1700019146	Power cord of multi-bay battery charger (China) CCC 3P 10A 250V 183 cm
1700018553	Power cord of multi-bay battery charger (NZ/AU) SAA 3P 10A 250V 183 cm
170203180A	Power cord of multi-bay battery charger (UK) BSI 3P 10A 250V 183 cm
170203183C	Power cord of multi-bay battery charger (EU) 3P 2.5A 250V 183 cm