

PWS-872

10寸工业平板电脑 搭载第七代 Intel® Core™ i3/i5/i7/ Celeron®处理器



特性

- 第七代 Intel® Core™ i3/i5/i7/Celeron® 处理器，集成 Intel® 睿频加速技术(Turbo Boost technology)
- 10.1寸高清高亮WUXGA LED屏幕，搭载防刮Corning® Gorilla® Glass 3面板
- 多点PCAP触控屏，支持带著手套操作
- 坚固耐用，通过 MIL-STD-810G，IP65等级防水防尘及4ft跌落测试
- 内置4GLTE，WLAN (802.11 a/b/g/n/ac)，Bluetooth 4.1 和 GPS 模块，支持 BeiDou/GLONASS
- 内置前后摄像头，1D/2D条码扫描仪和NFC RFID阅读器
- 热插拔电池提供高达11小时运作
- 支持Windows 10操作系统
- 丰富配件：包括车载底座、桌面支架及扩展模組



简介

PWS-872为一台工业级别平板电脑，搭载第七代Intel® Core™ i3/i5/i7/Celeron® 处理器，10.1寸高清高亮 WUXGA LED屏幕支持PCAP多点触控。mSATA SATA III SSD存储、丰富I/O端口和Wi-Fi(802.11 a/b/g/n/ac)·NFC·3G/4G LTE·蓝牙4.1等多种通讯功能。前后摄像头(2M & 8M)和NFC阅读器方便资料采集。高清高亮屏幕、阳光下可读功能支持户外作业，热插拔电池设计提供移动设备长达11小时的不断电，为一专为严苛环境设计，坚固耐用，通过 MIL-STD-810G，IP65等级防水防尘及4ft跌落测试。此外，PWS-872可集成多样配件，例如：车载底座、多电池充电座、保护壳等，并支持多种I/O扩充，可运用于不同的场域。

规格

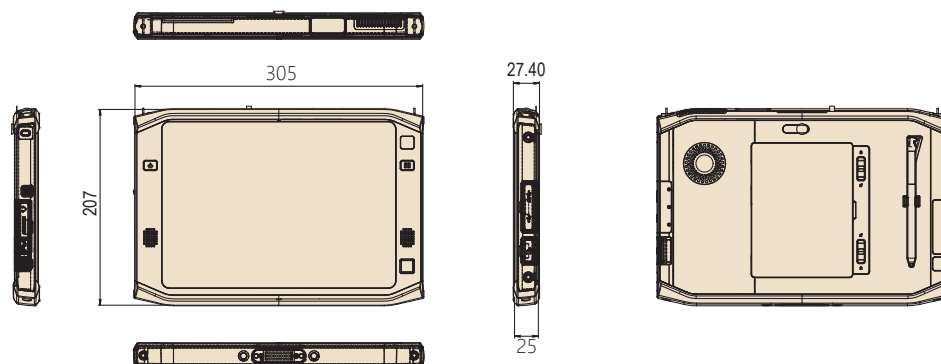
主板	CPU & 芯片	Intel® Celeron® 3965U, 2.2 GHz Intel® Core™ i3-7100U, 1.7 GHz Intel® Core™ i5-7300U, 2.6 GHz (3.5 GHz Intel Turbo Boost) Intel® Core™ i7-7600U, 2.8 GHz (3.9 GHz with Intel Turbo Boost)
	内存 存储	SODIMM DDR4, 2100 MHz (up to 16 GB) mSATA SATA III SSD (64 GB ~ 1 TB)
显示&触摸屏	显示屏尺寸	10.1" WUXGA LED LCD with 1280 x 800 resolution, 300-nit brightness, anti-glare surface for sunlight readability, and LED backlight
	触摸屏	10.1" WUXGA LED LCD with 1920 x 1200 resolution, 1000-nit high brightness, anti-glare surface for sunlight readability, and LED backlight
系统	传感器	Multi-touch projected capacitive touchscreen with scratch-resistant Corning® Gorilla® Glass 3 panel and support for gloved operation
	WLAN+蓝牙	Ambient light, accelerometer (g-sensor), e-compass, gyroscope (0°, 90°, 270° screen rotation)
	WWAN	IEEE 802.11 a/b/g/n/ac wave 2 + Bluetooth 4.1 EDR
	GNSS	4G LTE, HSPA+/UMTS, GSM/GPRS/EDGE (optional) PLS8-E for EU 800/900/1800/2600, PLS8-X for US 700/850/ AWS/1900 (optional)
	摄像头	Integrated GPS, BeiDou, GLONASS
	数据采集	Front: 2 megapixel CMOS sensor camera with video streaming support Rear: 8 megapixel CMOS sensor camera with LED flash and auto focus
	安全防护	Optional 1D barcode scanner (Honeywell N4313), 2D barcode scanner (Honeywell N3680), and NFC RFID reader (13.56 MHz, supports ISO14443A/B, ISO15693, MIFARE, FeliCa)
	声音设备	1 x Fingerprint scanner (optional), 1 x Trusted Platform Module 1.2, 1 x Kensington Security Slot
	输入	2 x 2W speakers, 1 x microphone
	LED指示	Multi-touch projected capacitive touchscreen, 2 x programmable buttons, 5 x programmable capacitive touch sensor inputs, 1 x capacitive stylus, on-screen QWERTY keyboard
	I/O	Power, battery, RFID 2 x USB 3.0, 1 x USB 2.0 1 x HDMI 1.4 1 x SD card slot (SDXC/UHS1/UHS2) 1 x Audio combo jack (line-in/line-out) 1 x DC-in 1 x SIM slot 1 x Docking port (32 pin) (USB 3.0, USB 2.0, PCIe 2.0, DisplayPort)
	电池	Main battery: 4S1P 14.4V 2730mAh Hot-swappable external battery: 4S2P 14.4V 4080mAh (supports up to 11 hours operation*)
工作环境	电源输入	19V ± 5%
	OS	Microsoft® Windows 10 IoT (64 bit), Linux Ubuntu1604
	温度	Operating: -20 ~ 50 °C (0 ~ 40 °C when charging to protect the battery) Storage: -40 ~ 60 °C
	湿度	Operating: 5 ~ 95% @ 40 °C
认证	IP等级	IP65
	摔落测试	Up to 4 ft.
尺寸&重量	抗震动	MIL-STD-810G
	EMC/RF	CE/FCC/CCC/SAR
尺寸 & 重量	尺寸 (L x W x H)	305 x 207 x 25/27 mm (12 x 8.14 x 0.98/1.06 in)
	重量	1.4 kg (3.08 lb)

* The estimated battery life is based on MobileMark®2014 benchmark. Actual battery performance will vary according to system settings and configuration.

* WIFI certification only; LTE certification by project.

尺寸

Unit: mm



I/O 视图

PWS-872 前/后视图



PWS-872 左/右视图



订购信息

Standard SKU	Configuration											RFID reader	Barcode scanner	Fingerprint scanner
	CPU	LCD	Memory	Storage	Front camera	Rear camera	Wi-Fi	BT	GPS	4G	OS			
PWS-872-CS6W0X000	Celeron	Standard (without capacity hot keys)	DDR4 4GB	SSD 64GB (0 ~ 70 °C)	-	-	Yes	Yes	-	-	Win 10 IoT	-	-	-
PWS-872-CS6W0X200	Celeron	Standard (without Capacity Hot Key)	DDR4 4GB	SSD 64GB (0~70°C)	Yes	Yes	Yes	Yes	-	-	Win10 IoT	-	2D	-
PWS-872-3S6W0X000	Core i3	Standard	DDR4 4GB	SSD 64GB (0 ~ 70 °C)	Yes	Yes	Yes	Yes	-	-	Win 10 IoT	-	-	-
PWS-872-3S6W4X200	Core i3	Standard	DDR4 4GB	SSD 64GB	Yes	Yes	Yes	Yes	-	LTE-US	Win 10 IoT	-	2D	-
PWS-872-3S6W6X200	Core i3	Standard	DDR4 4GB	SSD 64GB	Yes	Yes	Yes	Yes	-	LTE-EU	Win 10 IoT	-	2D	-
PWS-872-5S6W4X200	Core i5	Standard	DDR4 4GB	SSD 64GB	Yes	Yes	Yes	Yes	-	LTE-US	Win 10 IoT	-	2D	-
PWS-872-5S6W6X200	Core i5	Standard	DDR4 4GB	SSD 64GB	Yes	Yes	Yes	Yes	-	LTE-EU	Win 10 IoT	-	2D	-
PWS-872-7S6W4X200	Core i7	Standard	DDR4 4GB	SSD 64GB	Yes	Yes	Yes	Yes	-	LTE-US	Win 10 IoT	-	2D	-
PWS-872-7S6W6X200	Core i7	Standard	DDR4 4GB	SSD 64GB	Yes	Yes	Yes	Yes	-	LTE-EU	Win 10 IoT	-	2D	-
PWS-872-CH6W0X000	Celeron	High brightness	DDR4 4GB	SSD 64GB	Yes	Yes	Yes	Yes	-	-	Win 10 IoT	-	-	-
PWS-872-3H6W6X200	Core i3	High brightness	DDR4 4GB	SSD 64GB	Yes	Yes	Yes	Yes	-	LTE-EU	Win 10 IoT	-	2D	-

附件清单

Part Number	Description
96PSA-A65W19V1-1	1 x 65W adapter
9680015843	1 x Capacitive stylus

PWS-870/872

外部设备

选配週边设备及扩展模组
适用于PWS-870/872系列



保护壳组合



特色

- 材质：塑料、PVC
- 颜色：黑色
- 尺寸：305 x 254.2 x 88.4 mm (12 x 10 x 3.48 in)
- 重量：500 g (1.10 lb)
- 组合内容：手肩带保护壳、手带、选配皮套、支架

扩展模块

MSR & 智能卡读卡器



特色

- 智能卡读卡器
 - ISO 7816 PC/SC
 - EMV 4.0 Level 1
 - 支持 I2C 记忆卡 (SLE4418, SLE4428, SLE4432, SLE4442, SLE4436, SLE5536, SLE6636, AT88SC1608, AT45D041)
- 磁条卡读卡器
 - MagneSafe™ IntelliHead
 - 支持 US 7810, ISO 7811/AAMVA
 - 读卡速度：6 ~ 60 IPS (15.4 ~ 12.4 cm)
 - 三重数据加密算法
 - DUKPT 密钥管理
- 操作温度：-20 ~ 50 °C
- 存储温度：-20 ~ 60 °C
- 尺寸：192.2 x 40.2 x 25 mm (7.56 x 1.58 x 0.98 in)
- 重量：120 g (0.26 lb)

附加 I/O



特色

- 介面：1 x USB 3.0 (type A, 5V/0.9A), 2 x RS-232 (D-sub 9), 1 x 10/100/1000 Ethernet (RJ45)
- 操作温度：-20 ~ 50 °C
- 尺寸：192.2 x 45.2 x 25 mm (7.56 x 1.77 x 0.98 in)
- 重量：140 g (0.30 lb)

UHF RFID 读取器



特色

- RFID 输出功率：0.063W EIRP
- RFID 天线类型：Linear polarization
- 频率：EU: 865 ~ 868 MHz, US: 902 ~ 928 MHz
- 支持标准标籤：EPC Class 1 Gen 2/ISO 18000-6C
- 操作温度：-20 ~ 50 °C
- 最大输出：+18dBm (conductive)
- 尺寸：92.2 x 40.2 x 25 mm (7.56 x 1.58 x 0.98 in)
- 重量：Weight: 110 g (0.24 lb)

选配週边设备及扩展模组，适用于PWS-870/872系列

外部电池



特色

- 容量：14.8V 4080mAh
- IP 等级：IP65
- 尺寸：141.2 x 106.2 x 17 mm (5.55 x 4.18 x 0.66 in)
- 重量：385 g (0.84 lb)

多電池充電座



特色

- 最大支持4个外部电池
- 充电时间：4 hr
- 充电状态指示LED灯
- 螺丝孔不外露
- 输入电力：19.5V/7.7A
- 尺寸：214.4 x 229.4 x 60 mm (8.44 x 9.03 x 2.36 in)
- 重量：1.4 kg (3.08 lb)

触控笔 (for PWS-872)



特色

- 操作频率：90 ~ 250 KHz
- 操作温度：0 ~ 50 °C
- 按钮：2 x Side buttons (eraser, barrel)
- 电池：1 x AAAA (replaceable)
- 尺寸：140 x 9.7 mm (5.51 x 0.38 in)
- 重量：70 g (0.15 lb)

萤幕保护膜 (for PWS-872)



特色

- 10.1" 可替换防眩光保护膜

订购信息

Part Number	Description
PWS-870-UCOVER00E	Universal cover package (for PWS-870/872 series)
PWS-870-EXT300E	MSR and smart card reader (for PWS-870/872 series)
PWS-870-EXT100E	I/O extension module (for PWS-870/872 series)
PWS-870-EXT200E (EU)	UHF RFID reader (for PWS-870/872 series)
PWS-870-EXT210E (US)	UHF RFID reader (for PWS-870/872 series)
PWS-870-BAT100E	External battery (for PWS-870/872 series)
PWS-870-MBC00E	Multi-bay battery charger (for PWS-870/872 series)
PWS-872-ACTPEN	Active pen (for PWS-872)
PWS-872-PROFILM	10.1" replacement screen protection film (for PWS-872)

PWS-870/872

外部设备

PWS-870/872 系列的车载底座



特色

- CAN 2.0 A/B (J1939) & OBDII (ISO 15765) 技术支持车载诊断
- 防盗装置
- GPS SMA 外置天线
- 相容12V/24 V车载电源
- 点火控制
- 快速设备对接、卸除
- 提供完整的端口複製
- 符合MIL-STD-810G & SAE J1455 防震防衝击标准
- E-mark (E13) 车载安全认证

规格

I/O	HDC	1 x HDC connector
	HDC I/O	1 x RS-232, 1 x CAN 2.0 A/B (supports J1939) with OBDII protocol (supports ISO 15765), 1 x line-in, 1 x line-out, 2 x DI, and 2 x DO
	USB	2 x USB 3.0 (locking type)
	Ethernet	1 x 100/1000 LAN (M12)
	SMA for GPS	1 x for external GPS antenna
DC-In		1 x Power jack (M12) 19V ± 5% (can be paired with a vehicle adapter (PWS-770-CAD1200E/PWS-770-CAD2400E/PWS-770-CADAP00E) or DC-in (M12) adapter cable (1700021797-01)
环境	IP 等级	IP54 (with tablet docked and all cables connected)
	操作温度	-20 ~ 50 °C (0 ~ 40 °C when charging) with tablet docked
	存储温度	-40 ~ 85 °C
认证	防震防衝击	MIL-STD-810G, Method 514.5; SAE J1455
	EMC	CE, FCC
	安全	UL, CB
	车载安全	E-mark (E13) (when paired with PWS-770-CAD1200E/PWS-770-CAD2400E)
背挂		VESA (75 x 75 mm)
重量		950 g (2.09 lb)
尺寸		240.5 x 280.9 x 95.4 mm (9.46 x 11.05 x 3.75 in)

订购信息

Part Number	Description (for PWS-870/872 series)
PWS-870-VCRADLE00E	Vehicle docking station with LAN cable and M12(M) to 8P/RJ45(F) cable (5 cm)
PWS-870-VCRADLE01E	Charge-only vehicle docking station
PWS-870-VMOUNT00E	Vehicle docking station without I/O
PWS-770-CADAP00E*	Vehicle power DC 10 ~ 32V 90W (120cm) to cigarette lighter adaptor with M12 connector
PWS-770-CAD1200E*	Vehicle power DC 10 ~ 32V 90W adaptor with 12V relay (120 cm) and M12 connector
PWS-770-CAD2400E*	Vehicle power DC 10 ~ 32V 90W adaptor with 24V relay (120 cm) and M12 connector
1700021797-01	M12 connector to DC-in cable (10 cm) Note: Connect the PWS-870/872 vehicle docking station DC-in port (M12) to the power jack adapter (96PSA-A65W19V1-1)
PWS-870-CHDC00E	Vehicle docking station HDC cable (200 cm), supports 1 x RS-232, 1 x CAN 2.0, 2 x DI, 2x DO, 1 x line-in, 1 x line-out
PWS-770-GPSAN00E	GPS antenna cable 5.5V 22mA (500 cm)
RAM-MOUNT-06E	5.625" double socket arm for 1.5" ball base, 3.625" VESA base at both sockets
RAM-MOUNT-07E	5.625" double socket arm for 1.5" ball base (1 socket with 3.625" VESA base, 1 socket with flat 2.5" diameter base AMPSS hole pattern)
PWS-870-VDOCK-CBE	Vehicle docking starter cable kit (power cable, HDC cable, and GPS antenna)

Notes:

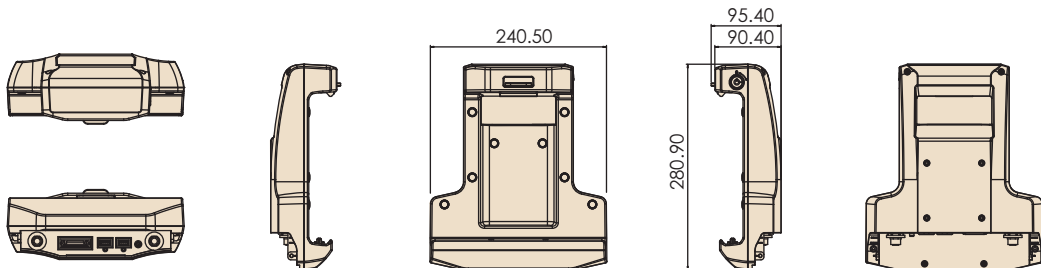
1. The PWS-870/872 vehicle docking station includes a LAN cable for M12-to-RJ45 connector. The vehicle adapter is optional. Do not attempt to connect the vehicle adapter M12 plug to the tablet's DC-in port.
2. Advantech strongly recommends initially purchasing the starter cable kit and power adapter for evaluation (suitable power adapters are marked*)

下方I/O



1. 1 x LAN 100/1000 (M12)
2. 1 x GPS SMA
3. 2 x USB 3.0 (locking type)
4. 1 x HDC: 1 x RS232, 1 x CAN 2.0, 2 x DI, 2 x DO, 1 x line-in, 1 x line-out
5. 1 x DC-in (M12)

尺寸

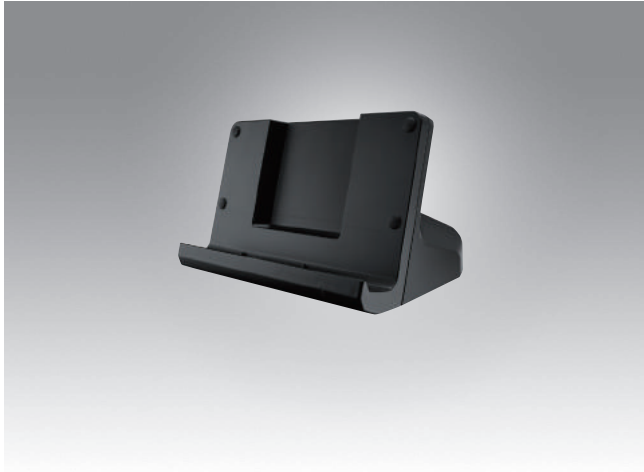


Unit: mm

PWS-870/872

外部设备

PWS-870/872 系列的桌上型底座



特色

- 提供完整的端口複製给PWS-870/872手持平板
- -20 ~ 50 °C 操作温度

规格

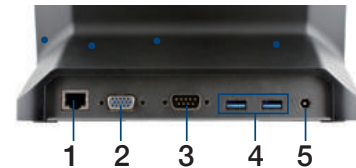
I/O	1 x LAN (10/100/1000) 1 x VGA 1 x RS-232 2 x USB 3.0 host connectors 1 x DC-in (19V ± 5%)
环境	Operating temperature: -20 ~ 50 °C Storage temperature: -20 ~ 60 °C Humidity: 5 ~ 95%
认证	CE, FCC, UL, CB
尺寸	223.8 x 146.7 x 128.5 mm (8.81 x 5.77 x 5.05 in)
重量	820 g (1.80 lb)

订购信息

Part Number	Description
PWS-870-CRADLE00E	Desk docking station for PWS-870/872

注意：本产品没有包括适配器，可使用手持适配器。

I/O



No.	Component	Function
1	LAN 端口	Connect an RJ-45 cable to access LAN connection
2	VGA 端口	Connect a VGA port to connect to another monitor
3	Serial 端口	Connect a serial cable to connect to another PC
4	USB 端口	Connect USB connectors to transfer data
5	DC-in	Connect the AC adapter to charge the battery

注意：为避免造成危害，本充电底座仅适用于PWS-870/872产品。

尺寸

