Accessories

Universal Cover Package

Features

- P/N: PWS-870-UCOVER00E
- Material: Plastic, PVC
- Color: Black
- Dimension: 305 x 254.2 x 88.4 mm
- Weight: 500g (universal cover, hand strap and shoulder belt)
- Package content: universal cover, hand strap, shoulder belt

MSR & Smart Card Reader Extension

Features

- P/N: PWS-870-EXT300E
- Smart Card Reader
  - ISO 7816 PC/SC
  - EMV 4.0 Level 1
  - Supports I2C memory card, SLE4418, SLE4428, SLE4432, SLE4442, SLE4436,SLE5536, SLE6636, AT88SC1608, AT45D041 card
- MSR (Magnetic Card Reader)
  - MagneSafe IntelliHead
  - Supports US 7810 & ISO 7811/AAMVA
  - Card speed: 6 to 60 ips (15.4 to 12.4 cm/s)
  - Triple DES encryption
  - DUKPT key management
- Operating temperature: -20° C ~ 50° C
- Storage temperature: -20° C ~ 60° C
- Dimension: 192.2 x 40.2 x 25 mm
- Weight: 120g

I/O Extension

Features

- P/N: PWS-870-EXT100E
- Interfaces: USB 3.0 (type A, 5V/0.9A) x 1, RS-232 (D-Sub 9) x 2, 10/100/1000 Ethernet (RJ45) x 1
- Operating temperature: -20° C ~ 50° C
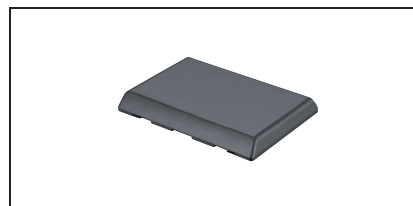- Dimension: 192.2 x 45.2 x 25 mm
- Weight: 140g

UHF RFID Extension

Features

- P/N: PWS-870-EXT200E (EU) / PWS-870-EXT210E (US)
- RFID output power: 0.063 watt EIRP
- RFID antenna type: Linear Polarization
- Frequency: EU: 865 ~ 868MHz / US: 902 ~ 928MHz
- Tag standard supported: EPC Class 1 Gen 2 / ISO 18000-6C
- Operating temperature: -20° C ~ 50° C
- Maximum output power: +18dBm (Conductive)
- Dimension: 192.2 x 40.2 x 25 mm
- Weight: 110g

External Battery

Features

- P/N: PWS-870-BAT100E
- Capacity: 14.8V 4080mAh
- IP rating: IP65 with PWS-870
- Dimension: 141.2 x 106.2 x 17 mm
- Weight: 385g
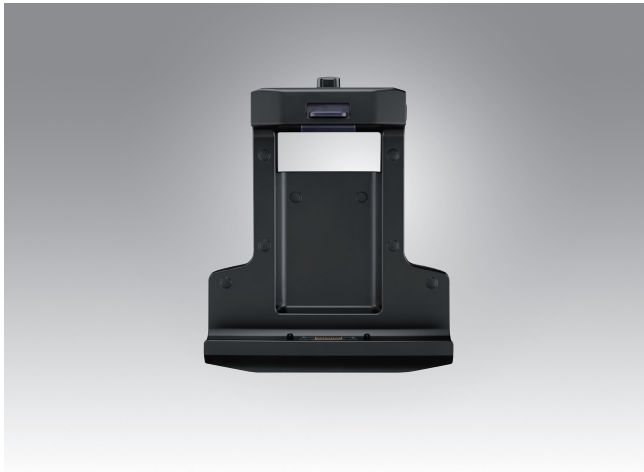
Multiple Battery Charger

Features

- P/N: PWS-870-MBC00E
- Store and charge up to 4 PWS-870 external batteries
- Charging time: 4 hr
- LEDs indicate charge status
- Easy to fix on the table by screws
- Power input: 19.5V/7.7A
- Dimension: 214.4 x 229.4 x 60 mm
- Weight: 1.4kg

Accessories

Features

- CAN 2.0 A/B (J1939) and OBDII (ISO 15765) support for vehicle diagnosis
- Anti-theft locking mechanism
- External GPS SMA antenna
- Device docking and removal within 1 second
- Ignition control
- Accommodates port replication
- Compliant with MIL-STD-810G and SAE J1455 for vibration and shock tolerance
- E-Mark compliant and supports 12V/24 V vehicle power

Introduction

The PWS-870 high strength composite vehicle docking station is designed to hold the PWS-870 tablet safely and securely. The vehicle docking station comes with a locking mechanism for theft deterrence. It offers complete port replication for users accessing audio jacks, USB, RS-232, DI, DO, LAN, and GPS SMA connector. One of the most important and unique design features is it has CAN bus support for vehicle communication. It's a perfect solution for police car, fire bridge, ambulance, forklift, and different kinds of transportation applications.

Product Specifications

Function	Item	Description
IO connectors	HDC	1 x HDC connector
	HDC IO ports	1 RS-232, 1x CAN 2.0 A/B (support J1939); OBDII (support ISO 15765) protocol, 1 x Line-in & 1 x Line-out, 2 x DI & 2 x DO
	USB	2 x USB 3.0 (locking type)
	Ethernet	1 x 100/1000 LAN port (M12)
	SMA for GPS	1 for external GPS Antenna
	DC in	1 x Power Jack (M12) 19V ± 5% (pair with a.car adapter: PWS-770-CAD1200E, PWS-770-CAD2400E, PWS-770-CADAP00E. b. DC-in(M12) to adapter cable: 1700021797-01)
Environment	IP Rating	IP54 (with tablet docked and all cables connected)
	Operating Temperature	-20° C ~ 50° C (Charge: 0° C ~ 40° C) with tablet
	Storage Temperature	-40° C ~ 85° C
	Vibration/Shock	MIL-STD-810G, Method 514.5; SAE J1455
	EMC	CE, FCC
	Safety	UL, CB
	Vehicle-related	E-Mark (E13) (pair with PWS-770-CAD1200E, PWS-770-CAD2400E)
Mounting	Mounting Way	VESA (75 x 75 mm)
Weight		950g
Dimension		240.5 x 280.9 x 95.4 mm

Ordering Information

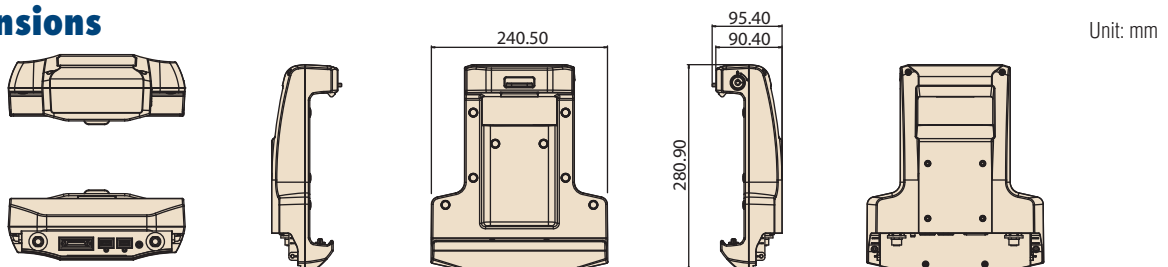| Part Number	Description
PWS-870-VCRADLE00E	PWS-870 Vehicle docking station, with LAN Cable M12(M) cable 8P/RJ45(F) (5cm)
PWS-870-VCRADLE01E	PWS-870 Charge only Vehicle docking station
PWS-870-VMOUNT00E	PWS-870 Vehicle docking station without i/o ports
PWS-770-CADAP00E*	PWS-770/PWS-870 Car Adapter DC to DC 10~32V 90W (120cm) to Cigar Lighter; M12 Plug
PWS-770-CAD1200E*	PWS-770/PWS-870 Car Adapter DC to DC 10~32V 90W with 12V Relay (120cm); M12 Plug
PWS-770-CAD2400E*	PWS-770/PWS-870 Car Adapter DC to DC 10~32V 90W with 24V Relay (120cm); M12 Plug
1700021797-01	M12 plug to DC-in cable (10cm) Note: Connect from PWS-770/PWS-870 Vehicle docking DC-in (M12) to Power adapter Jack (96PSA-A65W19V1-1)
PWS-870-CHDC00E	PWS-870 Vehicle docking HDC Cable RS232 x1; CAN2.0 x1; DIx2; DOx2; Line-in x1; Line-out x1 (200cm)
PWS-770-GPSAN00E	GPS antenna 5.5V 22mA (500cm)
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, One side is 3.625" VESA base, on the other side, the socket with flat 2.5" diameter base AMPS hole pattern
PWS-870-VDOCK-CBE	Vehicle docking starter cable kit (power cable, HDC cable & GPS antenna)

Note:
1. PWS-870 Vehicle Docking packages include LAN Cable for M12 to RJ45 connector. The car adapter is optional. Do not attempt to connect Car adapter M12 plug to PWS-870 tablet DC-in
2. For first time purchase, we strongly recommend to purchase starter cable kit & power adapter (select suitable power adapter from the there adapters marked with*) for evaluation
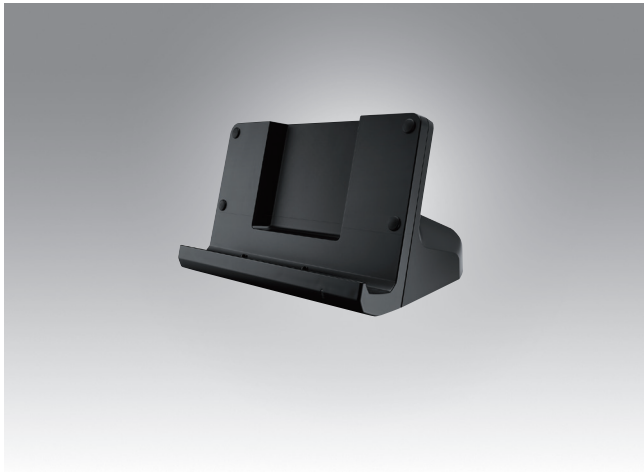
Bottom view IO ports

1. 1 x LAN 100/1000 (M12)
2. 1 x GPS SMA
3. 2 x USB 3.0 (locking type)
4. 1 x HDC: RS232 x1; CAN2.0 x1; DIx2; DOx2; Line-in x1; Line-out x1
5. 1 x DC-in (M12)

Dimensions

Unit: mm

240.50

95.40
90.40

280.90

Accessories

Features

- Offers complete port replication for PWS-870
- Operating temperature -20° C ~ 50° C

Introduction

The desk docking station is designed to dock PWS-870 tablet when you are at your home or on your office desk. When docked, you can charge both the internal and external batteries or transfer data from your tablet PC to another PC.

Product Specifications

Feature	Description
Product Name	PWS-870 Desk Docking Station
External I/O Interfaces	One LAN port (10/100/1000) One VGA port One RS-232 Two USB 3.0 host connectors One DC-in (19 V +- 5%)
Environment	Operating Temperature -20° C ~ 50° C Storage Temperature -20° C ~ 60° C Operating Humidity 5% ~ 95%
Certifications	CE, FCC, UL, CB
Physical Size	223.8 x 146.7 x 128.5 mm
Weight	820g

1 2 3 4 5

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

Note: In order to prevent the damage to both PWS-870 and the desk docking station, please do not attempt to use with other tablets.

Ordering information

Part Number	Description
PWS-870-CRADLE00E	PWS-870 Desk Docking Station

Note: The package does not include power adapter. Please use PWS-870 tablet's power adapter directly.

Dimensions

Unit: mm

223.8

146.7

33

25.90

146.7

223.8

128.5