

Защищенные мобильные компьютеры серии PWS-770, PWS-440

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72
Астана +7(7172)727-132
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48

Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41

Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78

Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

PWS-770

10.4" Rugged Tablet with Intel® Atom™ N2600



Features

- 10.4" XGA LED panel, WAV transfective-LCD, high brightness 300 cd/m²
- Hot swap, high capacity Li-ion battery provides 8 hours of operation⁽¹⁾
- Rich array of I/O ports supports a variety of applications
- IP54-certified, 4ft drop proof
- Complete communication: Wi-Fi/Bluetooth/GPS/WWAN (3.75G)
- Optional data capture modules: 1D/2D barcode scanner / MSR / RFID
- Lightweight, 1.2 kg



Introduction

The PWS-770 is a rugged mobile tablet featuring a 10.4" XGA resolution TFT LCD panel and an Intel® Atom™ N2600 1.6 GHz processor. It comes with 802.11 b/g/n WiFi, Bluetooth 4.0, a 2M pixel camera. It also has built-in optional GPS and WWAN 3.75G antenna. PWS-770 optional devices include an RFID module with antenna, a 1D/2D barcode scanner and an MSR card reader. PWS-770 is a fully functional communication device suitable for any outdoor application. It carries an IP54 rating for protection against dirt, dust and water. PWS-770 can also survive a 4-foot drop. Advantech's PWS-770 is a strong tablet PC for industrial and commercial use in any environment.

Specifications

Motherboard	CPU	Intel Atom N2600/1.6 GHz	
	Chipsets	Intel NM10	
	Memory	SODIMM DDRIII to 2 GB	
	Storage	Supports mSATA SSD 32 GB ~ 128 GB	
Display & Touchscreen	Display	10.4" XGA (1024 x 768) (Transflective) LCD 300 cd/m ² LED back light	
	Touch Panel	4-wire resistive touch panel	
System	Wireless Communication	802.11b/g/n WLAN (default); 802.11 a/b/g/n (optional) Bluetooth 4.0 class2	
	Camera	GPS (u-blox 6; 50-channel; supports GALILEO); WWAN (Cinterion PH8) CMOS 2.0M pixel Camera module	
	Security	1. Password security 2. TPM 1.2 (Optional)	
	Application Buttons	Power button x 1 Function keys x 3 (F1-F3) Tablet PC keyboard x 1 Mode key x 1	Enter key x 1 Activate key x 2 (S1 & S2): Activate barcode reader, camera & dimming adjustment required to control the brightness
	LED Status Indicator	Power LED (Green/Yellow) x1 Storage LED (Green) x1	WLAN LED (Green) x1
	I/O Interfaces	USB 2.0 x 2 Serial port RS-232 x 1 VGA port x 1 Audio in jack x 1 Audio out jack x 1	Internal mono microphone x 1 DC-in x 1 Docking port (32-pin; USB/PCIE/DC) SIM slot (with WWAN option)
	Audio Output	1 Watt speaker x 2	
	Expansion Port	SD memory card x 1 (SD 2.0/SDHC)	
	Battery	Internal battery: 3S1P 11.1V 1880mAh Hot-Swap External Battery: 11.1V 3760/5000mAh (Optional)	
	DC Input	19V 1± 5%	
OS Support	Windows 7 Professional /Embedded		
Optional Devices	Data Collection	CMOS 2.0M pixel Camera module (default); 5.0M pixel Camera (optional) 1D/2D Barcode MSR; HF RFID	
Environmental Specifications	Temperature & Humidity	Operating Temperature: -20° C (*2) ~ 50° C (Charge: 0° C ~ 40° C for the battery protection) Storage Temperature -30° C ~ 60° C Operating Humidity 5% ~ 95% @ 40° C	
	IP Rating	IP54	
	Drop	4-foot drop onto Plywood, MIL-STD-810G 516.5 Procedure VI	
	Vibration	MIL-STD-810G, EN50155 certified	

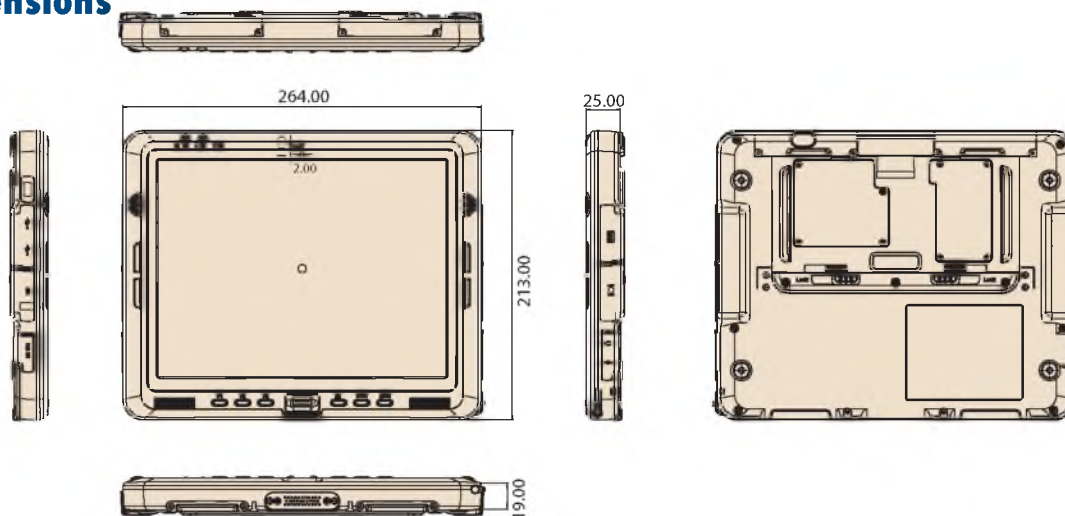
(1) - Internal battery + external 2nd battery 5000mAh in Battery Mark with maximum peripherals connected (Wi-Fi & BT enabled) the battery life up to 7.5hrs

- Internal battery + external 2nd battery 5000mAh idle with minimum peripherals connected in OS (Wi-Fi & BT disabled) the battery life up to 8.5 hrs

(2) Battery life and charge cycles vary by use and settings.

Dimensions

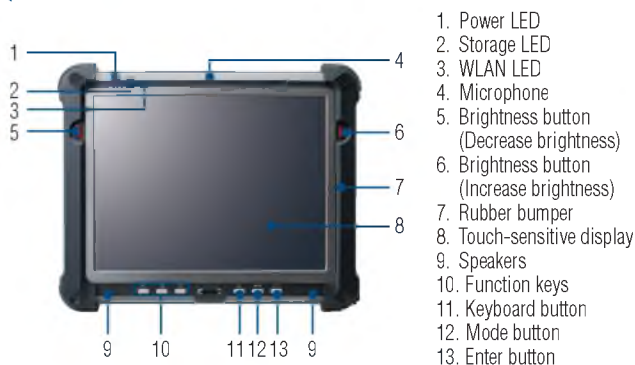
Unit: mm



Specifications Cont.

Certifications	EMC	CE/FCC/CCC/BSMI/C-Tick/PTCRB
	Safety	UL/CE/CB/CCC
Dimensions & Weight	Dimensions	264 (L) x 213 (W) x 18 (H) mm
	Weight	Under 1.2 kg without rubber bumper & optional devices

I/O Connectors



Ordering Information

Standard Configuration

Part Number	Description
PWS-770-N3A0EC001E	10.4 Normal N2600 RAM2G SSD32 WL BT Win7 EM
PWS-770-N3AWEC001E	10.4 Normal N2600 RAM2G SSD32 WL BT GPS 3G Win7 EM
PWS-770-S3A0PC001E	10.4 Sunlight N2600 RAM2G SSD32 WL BT Win7 PRO
PWS-770-S3AWPC001E	10.4 Sunlight N2600 RAM2G SSD32 WL BT GPS 3G Win7 PRO

Note: The package are included PWS-770 table and Power adapter (not include power cord)

Barebones (CTOS only)

Part Number	Description
PWS-770-N0A00C001E	PWS-770 Barebone, Normal 10.4"/WL/BT
PWS-770-N0AW0C001E	PWS-770 Barebone, Normal/WL/BT/GPS/3G
PWS-770-S0A00C001E	PWS-770 Barebone, Sunlight/WL/BT
PWS-770-S0AW0C001E	PWS-770 Barebone, Sunlight/WL/BT/GPS/3G

Accessories

Part Number	Description
S10A-93-S10A6-011	VESA mount (M6)
S10A-93-S10A6-021	VESA mount (M4)
S10A-93-S10A1-001	Carrying bag
S10A-93-S10AA-002	Handstrap
S10A-93-S10A6-001	Stand
1757002943	Adapter 100-240V 65W 19V 3.42A
PWS-770-CADAP00E	PWS-770 Car adapter ADP90DCA-M12 to Cigar Lighter (1200mm)
PWS-770-BAT100E	PWS-770 2nd Battery (3760mAh)
PWS-770-BAT200E	PWS-770 2nd Battery (5000mAh)
PWS-770-CRADLE00E	PWS-770 Desk Cradle
PWS-770-VCRADLE00E	PWS-770 Vehicle Docking Station; with LAN Cable M12(M) cable 8P/RJ45(F) (50mm)

PWS-440

3.7" Ultra Rugged PDA



Features

- Marvell PXA310 806MHz; Supports Windows CE6.0 and Windows Embedded Handheld 6.5
- 3.7" VGA TFT LCD transfective technology
- IP67 rating guarantees total protection against dirt, dust and water
- Certified by MIL-STD-810G and MIL-STD-461F
- Standard 5-way controller and 4 function keys for one-hand operation
- High capacity Li-ion battery provides 6 hours of continuous operation
- Field navigation application with HSDPA (3.5 G), 802.11b/g, Bluetooth and GPS



Introduction

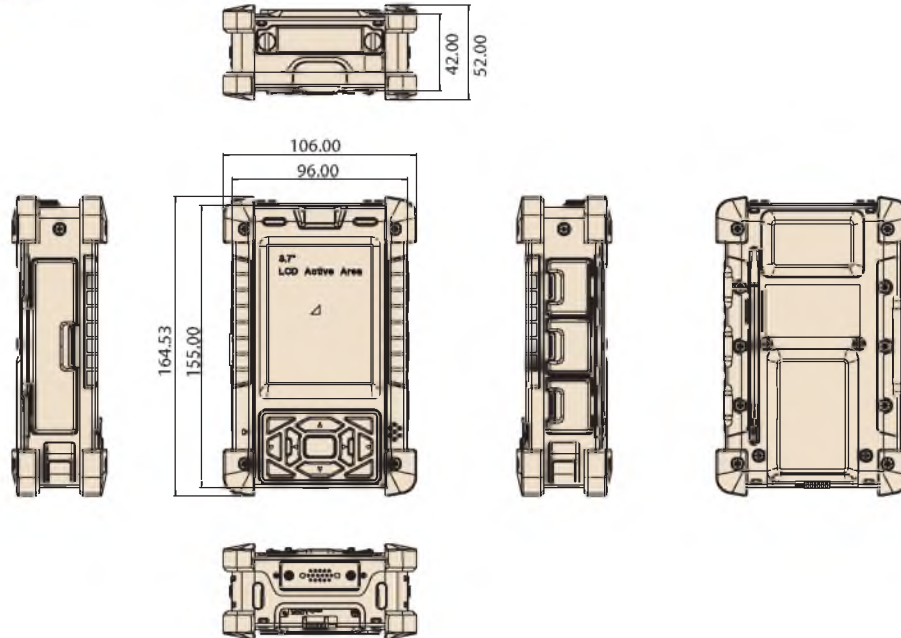
The PWS-440 is an ultra rugged portable computer featuring a 3.7" transfective VGA TFT LCD display and Marvell PXA310 806MHz processor. With GPS, HSDPA (3.5G), Wi-Fi and built-in Bluetooth, PWS-440 provides a fully-functional communication device for any outdoor application. Certified to meet standard military grade MIL-STD-810G and MIL-STD-461F, PWS-440 is constructed with an IP67 rating guaranteeing total protection against dirt, dust and water. Driven by a high capacity battery, PWS-440 handles a 5-foot drop, and operates in an extreme range of temperatures, providing mobility in any harsh environment. Advantech's PWS-440 is a strong device for reliable mobile communications in any environment.

Specifications

Processor	CPU	Marvell PXA310 806 MHz	
OS		Windows CE 6.0 and Windows Embedded Handheld 6.5	
Memory		256 MB DDR Mobile RAM on board (default); Up to 512MB DDR (by project-based)	
Storage		1 GB NAND Flash on board	
Audio System		Build-in Internal microphone and one speaker 0.5W	
Display	Size/ Type	3.7" transfective TFT LCD	
	Max. Resolution	VGA 480 x 640	
	Brightness (cd/m ²)	320 cd/m ² LED back light	
Touch Panel		4-wire resistive touch panel	
Application Buttons		1 x power on/suspend button	1 x HW reset key located right side door
		Navigation key and four function keys	1 x button for backlight on/off (using power on/ suspend button)
I/O Port		2 x USB type A connectors, USB1.1 host	1 x RJ-45 for 10/100M Ethernet
		1 x USB mini type B connector, USB1.1 Client	1 x stereo headphone jack
		1 x RS-232	1 x microphone jack
		1x RS-232 (default) 422/485 (By project-based)	1 x DC-In connector
Communication	WLAN	802.11b/g WLAN module build in	
	Bluetooth	Bluetooth class 2, v2.1 built-in with integral antenna	
	GPS	SiRF Star IV high performance GPS chipset	
	WWAN	Cinterion PH8 HSPA+ WWAN module with high performance external antenna (optional)	
Power	Battery	Rechargeable Li-ion smart battery, 7.4 V, 1880 mAh, 2S1P	
	DC input	12V ± 5%	
Environment	Operating Temperature	-20° C ~ 60° C	
	Storage Temperature	-40° C ~ 70° C	
	Operating Humidity	5% ~ 95%	
Rugged Certification		IP67	MIL-STD-461F
		5 feet drop to concrete	MIL-STD-810G
Certifications		CE, FCC, CCC	
Dimensions & Weight		155 x 96 x 42 mm, 650 g	

Dimensions

Unit: mm



I/O Connectors



- 1. Function buttons
- 2. Suspend button
- 3. Navigation keys
- 4. FN button
- 5. Enter keys
- 6. Docking/cradle connector
- 7. Battery pack latch



- 9. RS 232
- 10. USB type A (USB 1.1 Host)
- 11. RS 232 (RS422/RS485)



- 12. RJ-45 Port
- 13. Handphone, microphone & micro SD slot
- 14. DC in & min USB type (USB 1.1 slave)

Ordering Information

Part Number	Description
PWS-440-6E000E	PWS-440 with WLAN/BT/GPS/WIN CE6.0
PWS-440-6E003E	PWS-440 with WLAN/BT/GPS/3.5G/WIN CE6.0
PWS-440-6M000E	PWS-440 with WLAN/BT/GPS/WIN Embedded Handheld 6.5
PWS-440-6M003E	PWS-440 with WLAN/BT/GPS/3.5G/WIN Embedded Handheld 6.5

Note: The package are include PWS-440 device, power adapter, and hanstrap

Accessories

Part Number	Description
P37B-91-P37BB-C01	Accessory P37B 4IN1 battery charger
P37B-91-P37BC-R02	Accessory P37B cradle
P37B-93-P37B4-001	Accessory P37B battery pack 2S1P 1880MAH
1757003914	Adaptor AC-DC 12V/4A 100-240V

По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72
Астана +7(7172)727-132
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48

Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41

Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78

Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93