

# PWS-770

## 10.4" Semi-rugged Tablet PC with Intel® Atom™ N2600 Processor

**NEW**



### Features

- Efficient Intel® Atom™ N2600 1.6 GHz processor
- 10.4" XGA LED panel, WAV transfective-LCD, high brightness 300 cd/m<sup>2</sup>
- Hot swap, high capacity Li-ion battery provides 8 hours of operation<sup>(1)</sup>
- Rich array of I/O ports supports a variety of applications
- IP54-certified, 3 ft drop rating from 90 cm
- Complete communication: Wi-Fi/Bluetooth/GPS/WWAN (3.75G)
- Optional data capture modules: barcode scanner / MSR / RFID
- Lightweight, 1.2 kg



### Introduction

The PWS-770 is a semi-rugged mobile tablet PC 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 3-foot drop. Advantech's PWS-770 is a strong tablet PC for industrial and commercial use in any environment.

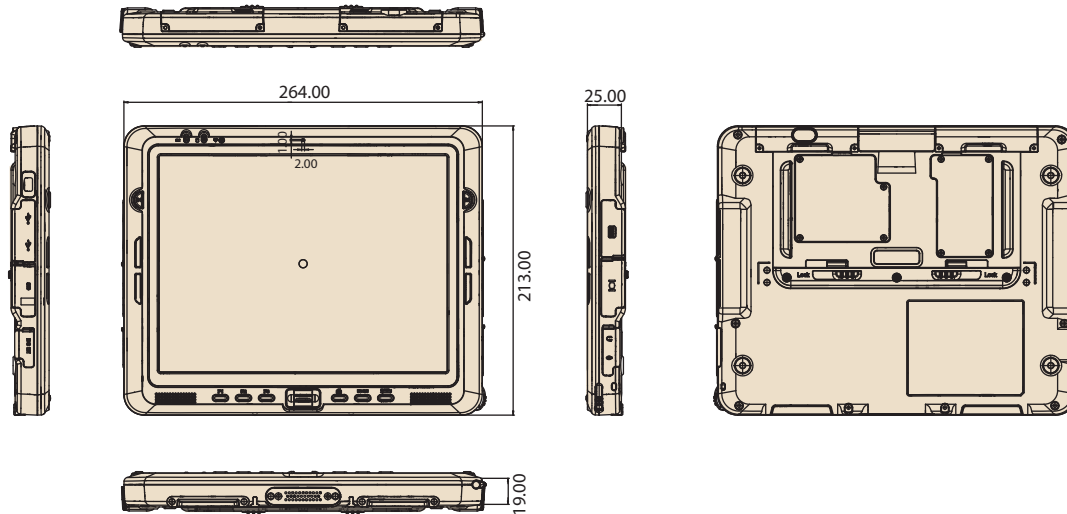
### Specifications

|                       |                              |                                                                                                                                                 |                                                                                                                                        |
|-----------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>300 cd/m <sup>2</sup> LED back light                                                              |                                                                                                                                        |
|                       | Touch Panel                  | 4-wire resistive touch panel                                                                                                                    |                                                                                                                                        |
| System                | Wireless Communication       | 802.11b/g/n WLAN built-in with integrated antenna<br>Bluetooth class 2, 4.0 built-in with integrated antenna<br>GPS (Optional); WWAN (Optional) |                                                                                                                                        |
|                       | Camera                       | CMOS 2.0M pixel Camera module                                                                                                                   |                                                                                                                                        |
|                       | Security                     | 1. Password security<br>2. TPM 1.2                                                                                                              |                                                                                                                                        |
|                       | Application Buttons          | Power button x 1 ( L side )<br>Function keys x 3 (F1~F3)<br>Tablet PC keyboard x 1<br>Mode key x 1                                              | Enter key x 1<br>Activate key x 2 ( S1 & S2 ): Activate barcode reader, camera & dimming adjustment required to control the brightness |
|                       | LED Status Indicator         | Power LED<br>Storage LED                                                                                                                        | WLAN LED                                                                                                                               |
|                       | I/O Interfaces               | USB 2.0 x 2<br>Serial port RS-232 x 1<br>VGA port x 1<br>Audio in jack x 1<br>Audio out jack x 1                                                | Internal mono microphone x 1<br>DC-in x 1<br>Docking port (32-pin; USB/PCIE/DC)<br>SIM slot (with WWAN option)                         |
|                       | Audio Output                 | 1 Watt speaker x 2                                                                                                                              |                                                                                                                                        |
|                       | Expansion Port               | SD memory card x 1 (SD 2.0/SDHC)                                                                                                                |                                                                                                                                        |
|                       | Battery                      | Main battery: 3S1P 11.1V 1900 mAh<br>Hot-Swap 2nd battery: 3S2P 11.1V 5000mAh (Optional)                                                        |                                                                                                                                        |
|                       | Power Adapter                | AC Adapter: AC 100V-240V 50/60Hz, 19V/3.42A/65W, Auto Sensing/Switching worldwide power supply<br>Car Adapter: AC120V-320V (Optional)           |                                                                                                                                        |
| Optional Devices      | OS Support                   | Windows 7 Professional /Embedded                                                                                                                |                                                                                                                                        |
|                       | Data Collection              | CMOS 2.0M pixel Camera module<br>1D/2D Barcode<br>MSR; HF RFID                                                                                  |                                                                                                                                        |
|                       | Environmental Specifications | Operating Temperature: -10° C ~ +50° C (Charge: 0° C ~ +40° C)<br>Storage Temperature -20 to +60° C<br>Operating Humidity 5% ~ 95% @ 40° C      |                                                                                                                                        |
| Certifications        | IP Rating                    | IP54                                                                                                                                            |                                                                                                                                        |
|                       | Drop                         | 3-foot drop onto Plywood, MIL-STD-810G 516.5 Precedure VI                                                                                       |                                                                                                                                        |
| Certifications        | EMC                          | CE/FCC/CCC/BSMI/C-Tick                                                                                                                          |                                                                                                                                        |
|                       | Safety                       | UL/CE/CB/CCC                                                                                                                                    |                                                                                                                                        |

- (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

## Dimensions

Unit: mm



## Specifications Cont.

|                     |             |                                                                                                                           |                                                                                         |
|---------------------|-------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Accessories         | Accessories | AC adaptor (19V, 65W)<br>Stylus (default)<br>VESA Mounting Bracket<br>Carrying Bag<br>Car adapter DC10-32V 90W 18.5V 4.9A | Hand strap<br>Desktop stand<br>Desk Docking<br>Vehicle cradle (Q3, 2013)<br>2nd battery |
| Dimensions & Weight | Dimensions  | 264 (L) x 213 (W) x 18 (H) mm                                                                                             |                                                                                         |
|                     | Weight      | Under 1.2 kg without rubber bumper & optional devices                                                                     |                                                                                         |

## I/O



## Ordering Information

| 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 EN |

## Accessories

| Part Number        | Description                                  |
|--------------------|----------------------------------------------|
| S10A-93-S10A6-011  | VESA MOUNT M6 with packing                   |
| S10A-93-S10A6-021  | VESA MOUNT M4 with packing                   |
| S10A-93-S10A1-001  | Carrying bag                                 |
| S10A-93-S10AA-002  | Handstrap with packing Ver 2.0               |
| S10A-93-S10A6-001  | Stand with packing                           |
| 1757002943         | ADAPTER 100-240V 65W 19V 3.42A               |
| 9680014043         | Car ADAPTER DC 10-32V 90W 18.5V 4.9A W/O PFC |
| 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 (Q3, 2013)           |



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