

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 GPS (u-blox 6; 50-channel; supports GALILEO); WWAN (Cinterion PH8) | |
| | Camera | 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 | |

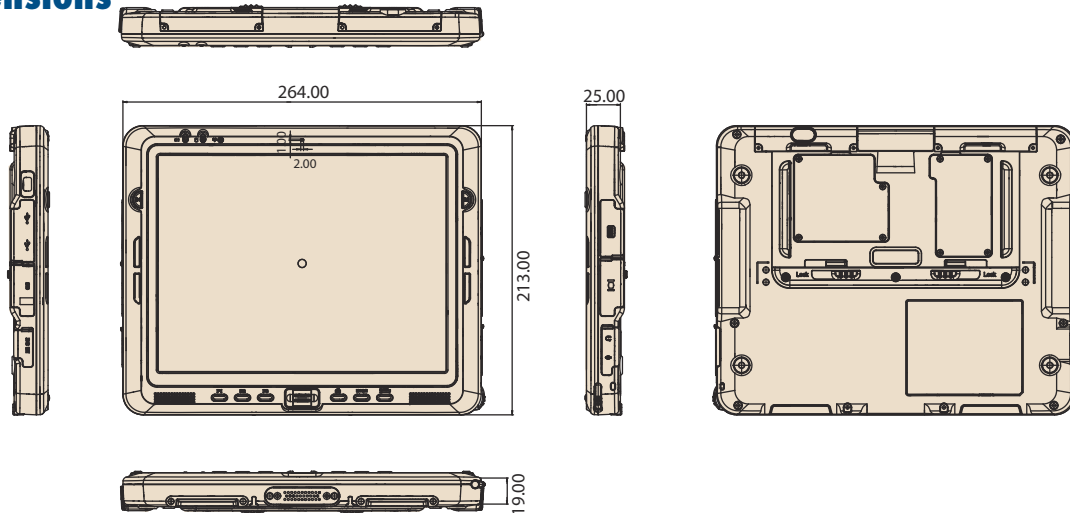
(1) - Internal battery + external 2nd battery 5000mAh in Battery Mark with maximum peripherals connected (Wi-Fi & BT enabled) the battery life up to 7.5hrs

- 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

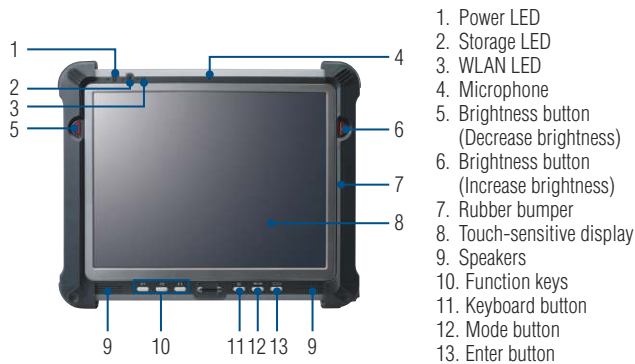
Unit: mm



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) |