

UTC-W101BF

10.1" Ubiquitous Touch Computer with Intel® Atom™ Cedar Trail Processor



Features

- Fanless Intel® Atom™ CedarTrail + NM10
- Low Power Consumption attributed to Intel® Atom™ CedarTrail Architecture
- Providing Natural Viewing Experience with 16:9 10.1" WSXGA Display
- Instant Function Access through front programmable Capacitive Touch Hotkeys (Build-in 6 Hotkeys)
- Top Cover Modules designed for varied applications needs, such as programmable LED or camera module
- New integrated RFID sensor at front empowers all kind of iServices application (NFC ready)
- Built-in WiFi, RFID, Bluetooth for std. PN
- Front panel complies with IP65/NEMA4 protection standard
- VESA 75mm Mounting Holes for Desktop Stand & Wall-Mount
- Dual Certificates applied: ITE EN/UL 60950 & Medical EN/UL 60601-1

Introduction

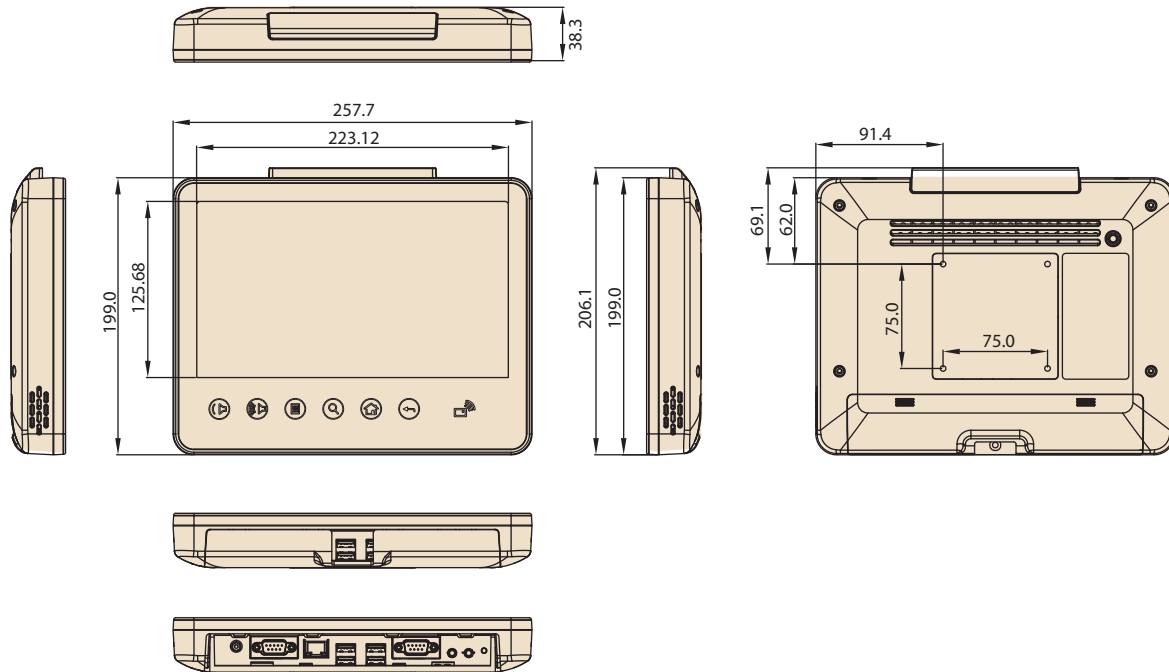
UTC-W101BF is an Intel® Atom™ based fan-less all-in-one PC with 10.1" wide format resistive touch-based LCD panel. Not only a cost effective, but also a versatile all-in-one solution to meet the vast demand emerging from market. Hot keys on bezel provide Instant function access, simple and elegant industrial design perfectly blended into eServices scenarios.

Specifications

| | | | |
|------------------------------|---------------------------------|--|---|
| Processor System | CPU | Intel® Atom™ CedarTrail N2800 1.86GHz | |
| | Chipset | Intel® Atom™ CedarTrail N2800 1.86GHz + NM10 | |
| | L2 Cache | 1 MB | |
| | DMI | 2.5 GT/S | |
| | Memory | DDR3 1067 204 pin SO-DIMM x1 slot (Built-in 2GB, up to 4GB) | |
| | Storage | Supports 1 x Mini SATA (Built-in 16G mSATA SSD) | |
| | Network (LAN) | 1 x Gigabit Ethernet ports, Wake on LAN, boot from LAN and LAN teaming supported | |
| | I/O Ports | | 2 x RS-232 COM ports (isolated) |
| | | | 4 x USB V2.0 ports |
| | | | Mic-in/Line-out |
| | | | 2 x Power switch(one locates at the I/O ports, the other one locates at the rear of machine) |
| | | | 1 x Gigabit Ethernet Ports (isolated) |
| | | | 1 x RFID Sensor hidden @ Front Panel (built-in for std. PN, removable for T-PN or Project PN) |
| | Stereo Speaker | 1W x 2 | |
| | Microphone | Built-in microphone x 1 | |
| | Bus expansion | Support Mini PCIe x 1 | |
| | Dimensions (W X H X D) | 258 x 199 x 38.3mm (10.16" x 7.83" x 1.51") | |
| | Weight | 2.47 kg (5.4 lbs) | |
| Environmental Specifications | Operating Temperature | 0 ~ 40° C (32 ~ 104° F) | |
| | Relative Humidity | 10 ~ 95% @ 40° C non-condensing | |
| | Vibration | 2 G | |
| | Shock | 10 G peak acceleration (11 msec. duration) | |
| | EMC | BSMI, CE, FCC Class B, CCC | |
| | Safety | CB, CE, UL, CCC, UL 60601-1. IEC/EN60601-1 Certified (Optional), BSMI | |
| | Front Panel Protection | IP65/NEMA 4 compliant | |
| Power Supply | Power Input Voltage | 12 V _{DC} ~ 19 V _{DC} | |
| | Power Input Current | 5 A ~ 2.1 A | |
| | Power Adapter | AC to DC, DC 19 V/40 W | |
| | Power consumption | Typical 14 W Max 18 W | |
| LCD Display | Size/Type | 10.1" TFT LCD with LED backlight | |
| | Max. Resolution | 1024 x 600 | |
| | Max. Color | 262K | |
| | Pixel Pitch (mm) | 0.2175 (H) x 0.2088 (V) | |
| | Brightness (cd/m ²) | 200 | |
| | View Angle | 90° (45(L), 45(R), 20(U), 45(Down)) | |
| | Backlight MTBF | 10,000 hrs | |
| Touch Screen | Type | 4-wire projective captive touchscreen | |
| | Light Transmission | 88% ± 5% | |
| | Controller | RS-232 | |
| | Software Driver | Windows7/WES7 | |

Dimensions

Unit: mm

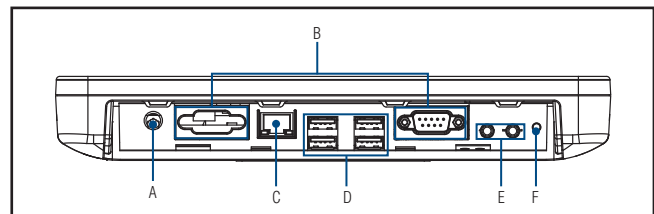


Ordering Information

| Part No. | Description |
|------------------|---|
| UTC-W101B-ABI0E | UTC 10.1", AtomN2800, Black cover, Full, Res. T/S |
| UTC-W101B-AW1E | UTC 10.1", AtomN2800, White cover, Full, Res. T/S |
| UTC-W101BF-ABI0E | UTC 10.1, AtomN2800, Black cover, Full Flat P-CAP T/S |
| UTC-W101BF-AW10E | UTC 10.1, AtomN2800, White cover, Full Flat P-CAP T/S |

above std. PN default configuration already includes: RAM 2G, mSATA 16G, WiFi, RFID, Bluetooth, Power Adapter

Fully-Integrated I/O



- A: DC Inlet
- B: COM Port x 2 (isolated)
- C: Gigabit LAN Port (isolated)
- D: USB x 4
- E: Audio Inlet x 2 (Line-out x 1, MIC-in x 1)
- F: Power Switch

Feature Details

Protection

To meet the requirements of a public environment, the front panel UTC-W101B complies with the IP65/NEMA 4 protection standard. Furthermore, the watchdog timer and power management features make the system secure and stable. The onboard hardware monitoring feature provides an automatic protection function, which prevents the CPU from becoming overheated.