UTC-W101B

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)
- 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-W101B 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.

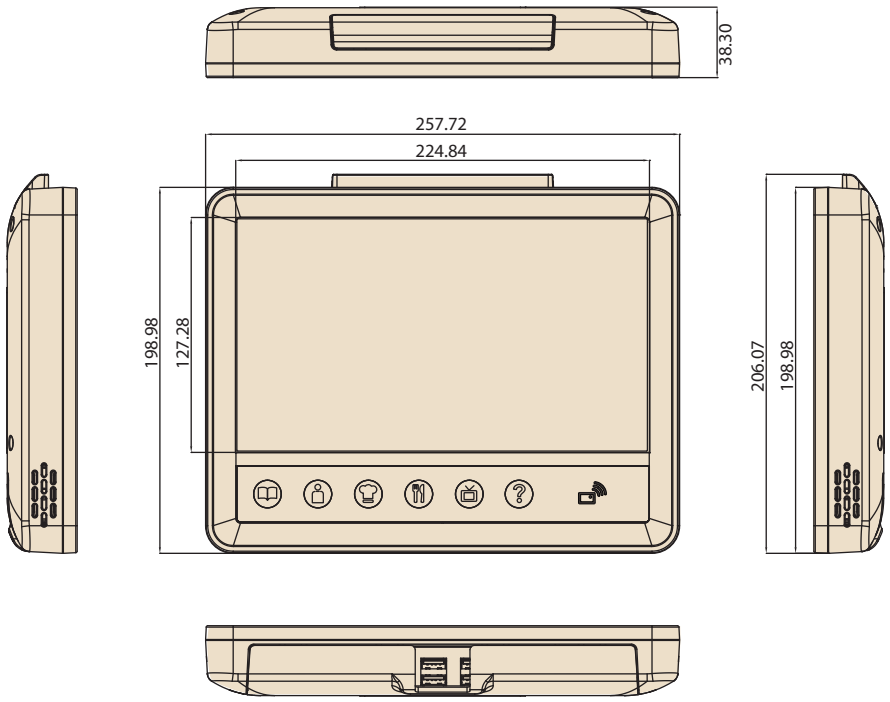
Specifications

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 1GB, 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 (optional, NFC capable)
	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 (Optional)
	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/m²)	200
	View Angle	90° (45(L), 45(R), 20(U), 45(Down))
	Backlight MTBF	10,000 hrs
Touch Screen	Type	Analog Resistive 5 wires
	Resolutions	Continuous
	Light Transmission	80 %
	Controller	RS-232
	Software Driver	Windows 7/ WES7/ Linux
	Durability (Touches)	36 million

All product specifications are subject to change without notice

Dimensions

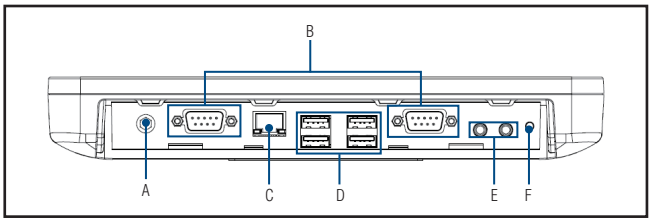
Unit: mm



Ordering Information

Part No.	Description
UTC-W101B-ABI0E	10.1", Atom CedarTrail N2800 1.86GHz, Black, 2G RAM, 8G mSATA, RFID, Bluetooth, IT grade, w/o OS & adapter
UTC-W101B-AWI0E	10.1", Atom CedarTrail N2800 1.86GHz, White, 2G RAM, 8G mSATA, RFID, Bluetooth, IT grade, w/o OS & adapter
UTC-W101B-ABM1E	10.1", Atom CedarTrail N2800 1.86GHz, Black, 2G RAM, 8G mSATA, RFID, Bluetooth, Medical grade, w/ WES7E OS & MED adapter
UTC-W101B-AWM1E	10.1", Atom CedarTrail N2800 1.86GHz, White, 2G RAM, 8G mSATA, RFID, Bluetooth, Medical grade, w/ WES7E OS & MED adapter
2070011292	Image WES7E SP1 x32 UTC-W101B
1757003202	AC ADAPTER DC19V/2.1A 40W FSP040-RA
1757003850	Medical Power Adapter 100-240V 63W 18V 3.5A MPU64-107 W/PFC
1700001524	Power Cord 3P UL 10A 125V 1.8M (US)
170203183C	Power Code 3P (WS-010+083) 183 cm (Europe)
1702002600	Power Cord 3P UL/CSA(USA) 125V 10A 1.83M 180D (For Medical Adapter)
1702002605	Power cord 2P FRANCE 10A/16A 220V 1.83M 90D (For Medical Adapter)
989KW10100E	UTC-W101E STAND Module
UTC-W101-WLE	UTC-W101E Internal Wireless LAN module

Fully-Integrated I/O



A: DC Inlet
B: COM Port x 2 (isolated)
C: Gigbit 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.