



MTB-3097

9.7" Rugged Tablet PC w/Intel Bay Trail N2930



The MTB-3097 is a rugged mobile tablet featuring a 9.7" QXGA resolution capacitive Multi Touch panel, an Intel Bay Trail N2930 processor, SATA SSD storage, USB 3.0 and communication I/O ports. For communication, it comes with 802.11 b/g/n WiFi, and Bluetooth. To mobile field workers, hot-swappable external battery for long-lasting support allows the system to operate longer. Some optional are also available for your selections: 2M/5M dual cameras, barcode scanner, and NFC RFID reader and sunlight readable display.

FEATURES

- 9.7" QXGA resolution capacitive Multi Touch panel
- Intel Bay Trail N2930@1.83/2.16Gh, Quad Core
- Build-in 802.11 b/g/n Wi-Fi and Bluetooth
- Peripherals with desk docking station, and extension module also available such as dual cameras, 1D/2D barcode scanner, NFC reader, 3G/LTE and sunlight readable display.

Specifications

Product	MTB-3097
Systems	
CPU	Intel Bay Trail N2930@1.83GHz, Quad Core Intel Ivy Bridge: Core: i7-3517UE, i5-3439Y or i3-3217UE
OS	Optional for WES7, Windows Embedded 8.1 Industry
PCH	Intel NM10 Express Chipset (1.5W) for CF
Graphics	DX9 (CT) or DX11 (BT), On-die GPU within CPU
Memory	One SO-DIMM DDR-III (@800 -1066MHz) Slot, 2/4GB
Storage	SATA SLIM SSD: 64GB as default and optional for 128/256/512 GB (MLC/SLC), mSATA
Expansion Socket	SDHC and SIM socket (connect to 3G module at 1st Mini-Card)
LCD & Touch Screen	
LCD size	9.7" LCD
Resolution	2048 × 1536
Brightness	250-340 nits, options for 500+, 750+ and 1000 nits
Touch Type	Resistive, Dual touch (Digitizer + Resistive), P-CAP (multi-fingers)
Bnding	Standard air, optical bonding or optional for sunlight readable solution



Input/Output Ports	
USB2.0 and USB3.0	4xUSB3 ports
Built-in Audio	Mono microphone and Stereo speakers
Audio Jacks	4-pole jack for stereo Headphone-Out and Microphone-in
LAN	RJ45 connector (10/100/1000 Mbps)
Display Output	D-Sub 15-pin VGA port (Display port or HDMI as an option)
COM Port	D-Sub 9-pin RS232 port (Optional with Barcode scanner)
On-board Slot	One full-sized and one half-sized PCI/e Mini-Card slot, or Optional M.2 card
Cradle Port	18-pin connector, USB, CRT and RS232 signals for external Charging Cradle
Device port	18-pin (or 10-pin) connector, USB, SATA (or PCI-e) and Battery signals for Device Bay
Indicators & Buttons	
LED Indicator	4 LEDs for Power, Battery, Storage & Wireless
Hotkeys at Bezel	6 ~ 8 programmable keys (with designated membrane)
Wireless	
Wi-Fi: Single Band	802.11-b/g/n (Azurewave) in PCI-e HMC (Half Mini-Card) or M.2
Optional Dual Band	Intel 3160/7260 for 802.11-AGN or -AC in PCI-e HMC or M.2
Bluetooth	BT V4.0/V3.0+HS (built-in with specified Wi-Fi Combo module)
Power Supply	
DC Power Adaptor	19V@65W (100~240V) Power Adaptor (with round-tip)
Main Battery Pack	4-cell Rechargeable Li-Ion 14.8V @1880mAh Battery Pack (Hot Pluggable with 2nd Battery Pack exists)
Battery Runtime	4 hours under normal usage mode
Mechanical & Environmental	
EMC & Safety	CE/FCC Class B, cUL and CB report
Operating Condition	* -10~45C, IP 54, (IP65 wi/Jacket), MIL-810G(w/Bumpers)
Dimension	Size:275 x 198 x 27.4 mm (W x H x D)
Weight	1.3Kg, with 4-cell Main and 2-cell 2nd Battery Packs included
Mechanical & Environmental	
EMC & Safety	CE/FCC Class B, cUL and CB report
Operating Condition	* -10~45C, IP 54, (IP65 wi/Jacket), MIL-810G(w/Bumpers)
Dimension	Size:275 x 198 x 27.4 mm (W x H x D)
Weight	1.3Kg, with 4-cell Main and 2-cell 2nd Battery Packs included
Optional Peripherals and Devices	
Charging Cradle	LAN (RJ45), 3 x USB2, Battery Charging Slot & DC-in Jack
Operating Condition	* -10~45C, IP 54, (IP65 wi/Jacket), MIL-810G(w/Bumpers)
Rubber Bumper	Size:275 x 198 x 27.4 mm (W x H x D)
Weight	1.3Kg, with 4-cell Main and 2-cell 2nd Battery Packs included
Optional Internal Modules	
Camera (Front & Rear)	CMOS 2M pixels at Front, 2M/5M pixels(w/LED Flash) at Rear
Barcode Scanner Module	Symbol 4500 module with lens at original RS232 port
RF (PCI/e Mini-Card, M.2)	Sierra Wireless MC8090/8092 (PCM voice) or others for 3G/LTE
TPM Module	SLB 9395, Infineon crypto engine, LPC I/F, for TPM version 1.2
USB3.0 & 2nd LAN support	Dedicated design in PCI/e Mini-Card for CT-97/104 series
Optional Internal Modules	
Combo-drive	Smart-Card and RFID Reader
2nd Battery Pack	2-cell, 7.4V@1880mA, Hot Pluggable with Main Battery exists
PCI/e Mini-Card	Special skew for extra PCI/e Mini-Card in Device Bay

Ordering Information

MTB-3097-BT	9.7" Tablet PC w/BT N2930, 2BG memory & 64GB SSD
MTB-3097-IV-07	9.7" Tablet PC w/IV i7, 2BG memory & 64GB SSD
MTB-3097-IV-05	9.7" Tablet PC w/IV i5, 2BG memory & 64GB SSD
MTB-3097-IV-03	9.7" Tablet PC w/IV i3, 2BG memory & 64GB SSD