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A dream comes true! The world's first Rugged Tablet PC with more than 10 hours operating time – Available now from Winmate!

Introduction

The Rugged Tablet PC model 1980 combines the best performance from Atom Z530 with extremely low power consumption and perfect optimized components for operating times over 10 hours. The first Rugged Tablet PC 1980 is available as an 8.4" and other sizes will follow soon!

8.4" 1980 Rugged Tablet PC with Intel Atom Z530 w/ US15W chipset.



8.4 Inch 1980 Rugged Tablet PC

With desktop computers everyone wants as much speed as possible, but with a mobile Rugged Tablet PC the operating time without plugging in a power outlet is much more important! Winmate understands this challenge so we designed the latest Atom processor from Intel with the US15W ultra lower power chipset for our new Rugged Tablet PC Model 1980.

We produced the best thermal design to fit the lowest power consumption of under 5 Watt and combined it with very efficient power management technologies. This performs an operating time of over ten hours. We believe it will bring huge benefits and give you the most reliable product.

Winate's 8.4" 1980 Rugged Tablet PC has versatile IO functionality with 2 x USB2.0, micro-in & audio out jack, 1 x RS232 and 1 x SDIO (SD Card) Slot. One high speed PCIExpress 34 standard can support any compatible external card such as GPS/GPRS/GSM/UMTS/CDMA/ HSDPA communication module. It is also equipped with integrated Wi-Fi and Bluetooth for internet usage and data communication. Reserved docking connector can help users to expand VGA, LAN and 4x USB when used on a desktop.

Product Tour:



The MIL-810F reliability of our new I980 Rugged Tablet PC is your best choice for outdoor mobile applications such as field service, fire emergency, public safety, utility, medical and military.

For more detailed product specification, please refer to the below:

System Specification

Processor	Intel Atom Z530 1.6GHz
BIOS	AMI System BIOS
System Chipset	Intel US15W Chipset
System Memory	1 x SODIMM, Max. 2GB DDR2 400/533 (Default 512MB)
LAN Controller	Realtek RTL811B GigaLAN Controller, Single Gigabit LAN
Storage	IDE interface for 2.5" 80GB HDD(Default), Industrial Compact Flash Card, 2.5" Automobile HDD or 2.5" Solid State Disk(SSD)
Audio	Audio out for headset, Micro-in for microphone jack, 1.5W Speaker
Expansion Slot	PCI Express Card / SDIO (SD Card) Slot

Wireless Communication

WLAN	802.11b/g(Internal Mini-card module)
Bluetooth	Bluetooth(Internal usb module)
WWAN	GSM/GPRS/CDMA/UMTS/EDGE
GPS	GPS Solution

I/O Connectors

Left I/O Connectors	N/A
Right I/O Connectors	2 x USB 2.0, 1 x Audio out, Micro-in Jack, 1 x Power Input Jack, 1 x COM
Upper IO Connectors	1 x PCI Express Card / SDIO (SD Card) Slot
Downside I/O Connectors	Docking Connector Expansion for 1 x LAN, 1 x VGA, 4 x USB and Docking Stand Power Input

In front Control

Control Button	1 x Menu Key control Brightness, Volume and Battery Status 1 x Up Key 1 x Down Key 3 x Programmable Hotkeys/ Max. 6 Functions
LED indicator	Power On/ Off, Battery, HDD Access, WiFi On/Off

Display Specification

Size	8.4"
Resolution	800x600
Brightness	330 (typ.)

Touch	4 Wire Resistive
Mechanical and Environment	
Dimensions (W x L x H)	259 x 215 x 45 mm
Weight	2.0 Kg (w/o accessories)
Operating Temperature	-20 deg.C to 60 deg.C
Operating Humidity	10% to 95% (non condensing)
IP Proof	IP54
Mounting	VESA mount, Vehicle mount
Certifications	CE, FCC ClassB Compliance for MIL810F for Vibration/ Shock/ Drop/ Temp.
Power Management	
Power Input	19V DC
Power Consumption	6.6W Min.
Battery	6 Cell, Li-Ion battery 5600mAh, 11.1V
Battery Operating Time	10 HRs
Charging time	3Hrs
Adapter	100-240V, 50-60Hz, 19V DC

➔ **Optional Expansion:**

For various tablet pc applications, you can easily select the optional function you required which we can integrate into your rugged tablet pc.

<p>Wireless - WiFi Module - Bluetooth Module</p>  <p>Wireless (Standard) WiFi Bluetooth (Standard)</p>	<p>Communication Module (PCMCIA or PCI Express) - 3.5G WCDMA/HSDPA - 3G / GSM / UMTS</p> <p>Mobile-broadband internet connectivity</p>  <p>3G/3.5G Module</p>
<p>GPS - Internal GPS Module - USB Interface</p> <p>Reliable positioning Navigation Timing services</p>  <p>GPS</p>	<p>Scanning - 1D/2D Barcode Module - USB Interface</p> <p>Data Capture Barcode Scanner</p>  <p>Barcode Scanner</p>

➔ **Customize your tablet PC:**

Winmate provides various customized services to help customers reduce the time and work involved with designing a new tablet PC. We handle the complex technologies and minimize the development risk associated with integration.

- Custom Request for Rugged Tablet PC SBC Board
- Custom Request for New Housing and Feature
- Custom Request for New Software
- Custom Request for A Totally New Tablet PC

