WIT-1800

The WIT-1800 is built around the Intel power-efficient Atom N450 and D410 processors plus ICH8M chipset. Its unique design enables the system to support two 3G mini-PCIe modules for dual 3G wireless communication as well as WiFi, SSD and other mini-PCIe devices. The system is enclosed in HABEY's highly efficient ICEFIN™ proprietary thermal design which makes it both fanless and rugged, providing a solution for dusty, harsh environments.
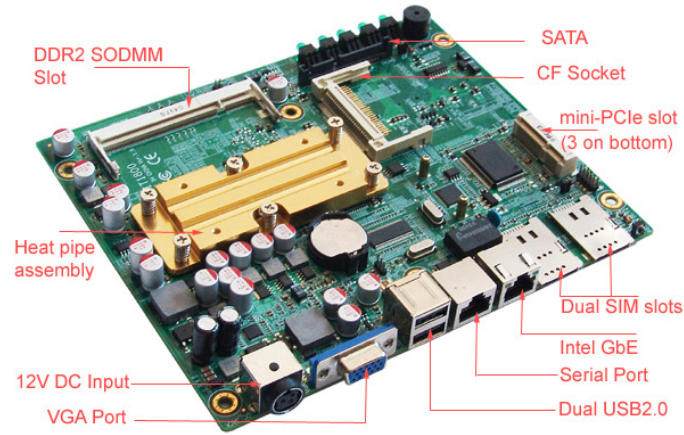
The WIT-1800's industrial grade embedded board, SSD (solid-state drive) support, Watchdog Timer, and rugged design make it perfect for wireless communication appliances, mobile/in-vehicle 3G network, fleet management and communication, 3G/Cellular-Based Digital Signage, 3G wireless routing or testing, mobile video surveillance and security and many other 3G wireless related embedded pc applications.

Features

- Intel Atom single core N450 or dual core D410
- 4 Mini-PCIE slots support 3G, SSD, WIFI, USB
- Dual SIM slots and 2 antenna sockets for 3G wireless communication
- Built in CF, mini-PCIe SSD
- 2.5" SATA SSD/HDD support
- ICEFIN™ proprietary thermal design
- Supports Windows, Windows Embedded, Windows 7 & Linux

WIT-1800

Chipset		Intel Atom N450 or D410+ ICH8M
Processor		Intel Atom N450 (5.5W) or D410 (10W) 1.66 GHz
RAM		1x DDR2 SODIMM, support up to 2GB
Display	Display Interface	1x VGA, support 2048x1536 (D410) or 1400x1050 (N450)
	Graphic	Intel integrated GMA3150
Storage	HDD	1x 2.5" internal HDD/SSD bays, 2x SATA ports, support SATA II
	Compact Flash	1x Compact Flash Slot, Support Type II Compact Flash
	SSD	1x Mini-PCIE with SATA SSD support
System I/O	PS/2	N/A
	COM	1x Serial port (RJ45) RS-232
	USB	2x Rear USB 2.0
	Audio	N/A
	SIM Slots	2x SIM slots for Mini-PCIE 3G modem
	3G Antenna	2 x SMA socket, support 2x 3G RP-SMA Antenna
Ethernet		1x 1000Mbps Ethernet (RJ45), Intel 82574
Expansion		2x Mini-PCIE compatible with Huawei EM770W & EM560 3G module/ USB module, 1x Mini-PCIE slot with SSD support, 1x standard Mini-PCIE slot
System Control		Power On/Off Reset button Watchdog Timer Automatically power up on restoration of power
LED Indicator		2 x SIM status LEDs, 1 x Power LED, 1 x HDD LED 1 x System Status LED
Power Supply		DC +12V
Cooling System		"ICEFIN" fanless cooling system
OS Support		Supports Windows Embedded, Windows XP, Windows 7, Vista & Linux

Mechanical & Environmental	
Operation Temperature	0 ºC - 45 ºC (32ºF - 113 ºF) standard, -5 ºC - 55 ºC (23ºF - 131ºF) for up to 48 hours usage
Storage Temperature	-15 ºC - 65 ºC (5ºF - 149 ºF)
Relative Humidity	5% ~ 95%, 40ºC, non-condensing
Vibration	0.5g rms/5~500Hz/ random operation
EMC	CE/FCC Class B
Dimension	245 mm×156 mm×54.5 mm (W×D×H)
Net weight	6.61 lbs
Materials	Steel +Plastic
Coating Processes	Aluminum Oxidation
Mounting	Desktop VESA mount ready
Color	Black, custom color available on OEM order