

JNB-1406

Fully Rugged Notebook with i7 Intel® processor



Features

- Intel® HM65 chipset
- 2nd generation Intel® Core™ i7 embedded processor, fanless design
- Supports USB 3.0, SATA 6Gbps, eSATA and HDMI
- 2 x 10/100/1000Mbps LAN, up to 4 x RS-232/422/485
- Optional fingerprint identification, TPM, data encryption and HDD self-destruction
- Flexible Media Bay Feature, supports up to 5 kinds of function modules
- Supports Contact Smart Card Reader, PCMCIA Type II, Express Card
- 13.3" TFT LCD with sunlight readable and tempered glass
- Magnesium alloy shell with reinforced rubber edge covering
- MIL-STD-461F, MIL-STD-810G (IP65) certified
- Ruggedized power supply input connector

SPECIFICATIONS

Processor	Mobile Platform	Onboard 2 nd generation Intel® Core™ i7-2610UE 32nm 64bit embedded processor, 1.5GHz, Maximum 2.4GHz with Intel® Turbo Boost Technology 2.0
	Smart Cache	4MB
Chipset	Main Chipset	Intel® HM65 Express chipset
	Graphics Controller	Integrated high performance 3D graphics controller by Core™ i7-2610UE processor, 350~850MHz core speed, Shared system memory, Intel® Dynamic video memory technology
Memory	Onboard Memory	Soldered 2GB DDR3 1333MHz memory
	Memory Expansion Slot	1 x 204-Pin SO-DIMM socket, up to 8GB DDR3 1066/1333 MHz memory
	Max. Memory	10GB
Display	LCD Size	13.3" TFT LCD
	Resolution	WXGA, 1280 x 800
	Tempered Glass	Standard
	Sunlight Readable	Standard
	Touch Screen	Optional
	External VGA	1 x VGA(15-pin D-sub)
	HDMI	1 x HDMI
Storage	Primary Storage	1 x 250GB removable shock-mounted SATA 6Gb/s HDD, optional 250/320/500 GB Optional 64/128/256GB wide temperature SATA SSD (shock-mounted, -40°C~85°C)
	Secondary Storage	Optional secondary storage pack
	Note: Please contact EVOC for storage devices with different capacities.	
Multimedia Bay	Optical Driver(Standard)	Removable Ultra-Slim DVD-ROM or DVD-R/W
	Secondary Storage Drive	Optional removable SATA HDD or SSD
	Secondary Battery	Optional removable hot-swap secondary battery pack
	3rd and 4th Serial Port	Optional removable serial port box(with 2 x RS-232/422/485)
	PCIe x1 bus	Reserved expansion slot, Supports customizable small dimension expansion module via PCIe x1 bus

- Note:**
1. Above function modules are optional, the multimedia bay can only accept one of them at one time.
 2. The communication mode of serial ports can be set up by jumper before leaving factory.
 3. Default RS-422 for these two serial ports, Please assign communication modes if you need the other modes in initial stage.

Keyboard	Silicone Keyboard	Silicon Keyboard with backlight, Waterproof, dustproof, 87 keys
	Plastic Keyboard	Optional Plastic Keyboard, Waterproof
Touch-Pad	Capacitive	Standard (Default)
	Resistive	Optional
I/O Interface	Serial Port	2 x RS-232/422/485 (9-pin D-sub)
	USB3.0	2 x USB3.0(SuperSpeed USB), compatible with USB2.0 device
	USB2.0	USB2.0 and eSATA share the same interface
	IEEE 1394	1 x IEEE1394a (Firewire)
	eSATA	1 x eSATA 3Gb/s interface
	Audio-out	1 x Audio-out (Mini-jack)
	Mic-in	1 x Mic-in (Mini-jack)
	Internal Speaker	Internal Stereo speakers
	Communication Interface	Ethernet
Internal Modem		Optional 56Kbps ITU V92m modem(RJ-11)
WiFi		Optional Intel® Wireless WiFi Link 802.11a/b/n
3G		Optional 3G module, with 1 x SIM card socket
Bluetooth		Optional Bluetooth™ V2.0 + EDR, compatible with Bluetooth V1.2
GPS		Optional Internal GPS module with antenna
Note: The WiFi and 3G functions are optional, and only one of them can be accepted at one time.		
Expansion interface	Smart Card Reader	N/A
	PCMCIA	1 x PCMCIA Type II, supports 16-bit PC card and 32-bit Cardbus
	Express Card	1 x Express Card/54mm
	Card reader	N/A
	Docking	N/A
	Note: The RJ-11, 1394, eSATA, USB2.0 will be occupied by docking connector	
Security Features	Fingerprint Identification	Optional fingerprint reader
	Storage Drive Security	Optional data encryption and storage drive self-destruct
	TPM 1.2	Optional
	Kensington Lock Hole	Yes
	Power Supply	Primary Battery Pack
2nd Battery Pack		Optional 3700mAh 6-cell battery pack, removable, hot-swap capability
DC Input Connector		1 x 4-Pin ruggedized connector
AC Adapter		100V~240V 50/60Hz AC input, with ruggedized DC output connector
Vehicle DC Adapter		Optional 90W vehicle DC adapter with ruggedized output connector, 9V to 32V DC input

Mechanical and Environmental

Physical Characteristics	Material	Full magnesium alloy case
	Dimensions	328mm x 272mm x 46mm (W x D x H)
	Weight	3.5~3.8kg (Exclude battery, Storage drive and DVD-R/W)
Rugged Features	EMC/EMI	MIL-STD-461F certified
	Working Temperature	-20°C ~ 55°C/ -4°F ~ 131°F, MIL-STD-810G method 501.5 and 502.5 procedure II
	Storage Temperature	-40°C ~ 70°C/ -40°F ~ 158°F, MIL-STD-810G method 501.5 and 502.5 procedure I
	Relative Humidity	5%~95%RH, non-condensing, MIL-STD-810G method 507.5 procedure II
	Anti-Vibration	20~2000Hz/7.7g(No-operating, X,Y, Z axis), MIL-STD-810G method 514.6 20~2000Hz/1.9g(Operating, X,Y, Z axis), MIL-STD-810G method 514.6
	Note: Greater anti-vibration performance can be provided. Please contact EVOC for more information.	
	Transit Drop	120cm/48-inch height drops, MIL-STD-810G method 516.6
Operating Altitude	15,000ft at 2,000ft/min, MIL-STD-810G method 500.5	
Water Resistance	IP65 compliant(Anti water spray, drip rain), MIL-STD-810G method 506.5 procedure III	
Conformal Coating	Optional Anti-Fungus and Anti-Salt Fog compliant	