

# JNB-1406

Fully Rugged Notebook with Mobile Intel® QM67 Platform

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### Features

- Adopts latest high performance Intel® QM67 chipset
- Intel® Core™ i7-2610UE embedded processor, 1.5GHz~2.4GHz, fanless design
- Supports USB 3.0, SATA6Gbps, eSATA and HDMI
- 2 x 10/100/1000Mbps LAN, up to 4 x RS-232/422/485
- Optional fingerprint identification, TPM, data encryption and drive self-destruct
- Flexible Media Bay Feature, supports up to 5 kinds of function modules
- Supports Contact Smart Card Reader, PCMCIA Type II, Express Card
- 14.1" 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
- Supports optional expansion docking

### SPECIFICATIONS

Processor	Mobile Platform	Onboard Intel® Core™ i7-2610UE 32nm embedded processor, 1.5GHz, Maximum 2.4GHz with Intel® Turbo Boost Technology
	L2 Cache	4MB smart cache
Chipset	Main Chipset	Mobile Intel® QM67 Express chipset
	Graphics Controller	Integrated performance graphics controller by Intel® QM67 Express chipset, 350~850MHz core speed
	Shared memory	Intel® Dynamic video memory technology (Intel DVM 5.0)
Memory	Onboard Memory	Soldered 1GB DDR3 1333 memory
	Memory expansion Slot	1 x 204-Pin SO-DIMM socket, up to 8GB DDR3 1066/1333 memory
	Max. memory	9GB
Display	LCD Size	14.1" LCD
	Resolution	XGA, 1024 x 768
	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 HDD, optional 250/320/500 GB Optional wide temperature SATASSD (shock-mounted, -40°C ~ 85°C)
	Secondary Storage	Optional secondary storage pack
<b>Please contact EVOG for capacity of storage devices.</b>		
Multimedia Bay	Optical Driver (Standard)	Removable Ultra-Slim DVD-ROM or DVD-R/W
	Secondary Storage Drive	Optional removable SATAHDD or SSD
	3rd and 4th Serial Port	Optional removable serial port box (with 2 x RS-232/422/485)
	PCIe x1 bus	Optional Fixed 2 x RS-232/422/485
	Reserved expansion slot	Supports customizable small dimension expansion module

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

Keyboard	Silicon Keyboard Plastic Keyboard	Silicon Keyboard with backlight, Waterproof, dustproof Optional
Touch-Pad	Capacitive Resistive	Standard (Default) Optional resistive touch-pad, suitable for humid environments
I/O Interface	Serial Port USB3.0 USB2.0 IEEE 1394 eSATA Mic-in Internal Speaker	2 x RS-232 (9-pin D-sub) 2 x USB3.0 (SuperSpeed USB), compatible with USB2.0 device 1 x USB2.0 1 x IEEE1394b interface (Firewire) 1 x eSATA3Gb/s interface 1 x Mic-in (Mini-jack) Internal Stereo speakers
Communication Interface	Ethernet Internal Modem WiFi 3G Bluetooth GPS	2 x 10/100/1000Mbps LAN port (RJ-45) Optional 56Kbps ITU V92m modem (RJ-11) Optional Intel® Wireless WiFi Link 802.11a/b/g/draft n Optional 3G module, with 1 x SIM card socket Optional Bluetooth™ V2.0 Class I + EDR (Enhanced Data Rate), compatible with Bluetooth V1.2 Optional GPS module
<b>Note: The WiFi and 3G functions are optional, can only accept one of them by simultaneously.</b>		
Expansion interface	Smart Card Reader PCMCIA Express Card Card Reader Docking	1 x Contact Smart Card Reader 1 x PCMCIA Type II, supports 16-bit PC card and 32-bit Cardbus 1 x Express Card/54mm N/A 1 x Docking Connector
Security Features	Fingerprint identification Storage Drive Security TPM 1.2 Kensington Lock	Optional Optional data encryption and storage drive self-destruct Optional Yes
Power Supply	Primary Battery Pack 2nd Battery Pack DC input Connector AC Adapter Vehicle DC Adapter	Optional 6600mAh or 7800mAh battery pack, Removable, hot-swap capability Optional 3700mAh 6-cell battery pack, Removable, hot-swap capability 1 x 4-Pin ruggedized connector 100V~240V 50/60Hz AC input, with ruggedized DC output connector Optional 90W vehicle DC adapter with ruggedized output connector, 9V to 32V DC input

### Mechanical and Environmental

Physical Characteristics	Material Dimension Weight	Full magnesium alloy case 328mm x 272mm x 46mm (W x H x D) 3.8kg (Exclude battery)
Rugged Features	EMC, EMI Working Temperature Storage Temperature Relative Humidity Anti-Vibration  Transit Drop Operating Altitude Water resistance Conformal Coating	MIL-STD-461F certified -20°C ~ 60°C / -4°F ~ 60°F, MIL-STD-810G method 501.5 and 502.5 procedure II -40°C ~ 70°C / -40°F ~ 158°F, MIL-STD-810G method 501.5 and 502.5 procedure I 95%RH, non-condensing, MIL-STD-810G method 507.5 procedure II 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 120cm/48-inch height drops, MIL-STD-810G method 516.6 15,000ft at 2,000ft/min, MIL-STD-810G method 500.5 IP65 compliant (Anti water spray, drip rain), MIL-STD-810G method 506.5 procedure III Optional Anti-Fungus and Anti-Salt Fog compliant