

JNB-1401

Fully Rugged Notebook with Mobile Intel® 945GME Platform



1
PICMG

2
SBC & SoM

3
CompactPCI

4
Network

5
BoxPC & Special IPC

6
HMI & TabletPC

7
Rugged Series

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Rugged Series



Features

- Adopts Intel® Core™ Duo L2400 processor, fanless design
- 13.3" TFT LCD with tempered glass, optional sunlight readable LCD
- Magnesium alloy shell with reinforced rubber edge covering
- MIL-STD-461F and MIL-STD-810G(IP65) certified
- Flexible Media Bay feature, supports up to 4 function modules
- Optional fingerprint identification and camera
- Supports optional expansion docking

SPECIFICATIONS

Processor	Mobile Platform	Intel® Core™ Duo 1.66GHz low-power consumption processor
	L2 Cache, FSB	2MB Cache, 667MHz FSB
Chipset	North Bridge	Mobile Intel® 945GME chipset
	Graphics Controller	Intel® GMA950, max.128MB shared memory
	South Bridge	ICH7-M
Memory	Onboard Memory	Onboard 512MB DDR2 667 memory
	Memory Expansion Slot	1 x 200-pin SO-DIMM, up to 2GB DDR2 667 memory
	Max. Memory	2.5GB DDR2 667 memory
Display	LCD Size	13.3" TFT LCD
	Resolution	XGA , 1024 x 768
	Tempered glass	Standard
	Sunlight Readable LCD	Optional
	Touch Screen	N/A
	External VGA	1 x VGA (15-pin D-sub)
Storage	Primary Storage	1 x 80GB wide-temperature shock-mounted HDD, optional 250/320/500 GB Optional 64/128GB wide temperature SATASSD (shock-mounted, -40°C ~ 85°C)
	Secondary Storage	Optional secondary storage pack
Please contact EVOG for capacity of storage devices with different capacities.		
Multimedia Bay	Optical Driver(Standard)	Removable ultra-slim combo, DVD-ROM or DVD-R/W
	Secondary Battery(optional)	Removable hot-swap secondary battery pack
	Secondary Storage(optional)	Removable secondary SATAHDD or SSD
	3" and 4" Serial Port(optional)	Optional removable serial port box(with 2 x RS-232/422/485) Optional fixed 2 x RS-232/422/485

Note: Above function modules are optional, and the multimedia bay can only accept one of them.

Keyboard	Silicone Keyboard	Silicone Keyboard (with backlight, waterproof, dustproof)
Touch-Pad	Capacitive	Yes (Default)
	Resistive(humid environments)	Optional
I/O Interface	Serial Port	2 x RS-232 (9-pin D-sub) Optional 2 x RS-232 with ruggedized connector
	USB2.0	3 x USB2.0
	IEEE 1394	1 x IEEE1394b interface(Firewire)
	Audio-out	1 x Audio-out (Mini-jack)
	Mic-in	1 x Mic-in (Mini-jack)
	Internal Speaker	Internal 4-watt Stereo speakers
Camera	1.3 mega pixel camera	Optional
Communication Interface	Ethernet	1 x 10/100/1000Mbps LAN port (RJ-45)
	Internal Modem	Built-in 56Kbps ITU V92m modem(RJ-11)
	WIFI	802.11a/b/g
	Bluetooth	Optional
	GPS	N/A
Expansion Slot	PCMCIA	1 x PCMCIA Type II, supports 16-bit PC card and 32-bit Cardbus.
	Express Card	1 x Express Card/54mm
	Card Reader	1 x 4-In-1 card reader, supports SD/MS/MS-Pro/XD/MMC
	Docking	1 x Docking Connector
Security Features	Fingerprint Identification	Optional
	Kensington Lock	Yes
Power Supply	Primary Battery Pack	1 x 6600mAh or 7800mAh battery pack, removable, hot-swap capability
	2nd Battery Pack	Optional 3700mAh 6-cell battery pack, removable, hot-swap capability
	DC input Connector	1 x 4-Pin normal connector Optional ruggedized connector
	AC Adapter	100V~240V 50/60Hz AC input, normal 4-Pin DC output connector Optional ruggedized DC output connector (waterproof)
	Vehicle DC Adapter	Optional 90W vehicle DC adapter with normal 4-pin output connector, 9V to 32V DC input Optional ruggedized output connector

Mechanical and Environmental

Physical Characteristics	Material	Full magnesium alloy case
	Dimensions	328mm x 272mm x 46mm (W x H x D)
	Weight	3.8kg (exclude battery)
Rugged Features	EMC,EMI	MIL-STD-461F certified
	Working Temperature	-20°C ~ 60°C / -4°F ~ 60°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	95%RH, non-condensing, MIL-STD-810G method 507.5 procedure II
	Anti-Vibration	20~2000Hz/7.7g(non-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
	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

Ordering Information

Part Number	Model	Description
0010-015090	JNB-1401/Basic	Intel Core Duo L2400/512MB RAM/80G wide-temperature HDD/13.3" LCD /COMBO/WiFi/Bluetooth/fingerprint identification/camera/Modem/6600 mAh battery/AC adapter/OS
0010-028530	JNB-1401-1	Intel Core Duo L2400/2.5GB RAM /13.3" LCD, Sunlight Readable/WiFi/Bluetooth/fingerprint identification/camera/Modem /AC adapter
0010-028540	JNB-1401-2	Intel Core Duo L2400/2.5GB RAM /13.3" LCD, Sunlight Readable/WiFi /AC adapter
0010-028550	JNB-1401-3	Intel Core Duo L2400/2.5GB RAM /13.3" LCD/fingerprint identification/camera /AC adapter
0010-028560	JNB-1401-4	Intel Core Duo L2400/2.5GB RAM /13.3" LCD/AC adapter
1100-000361	Primary battery pack	6600mAh/9-cell primary battery
1100-001211	Primary battery pack	7800mAh/9-cell primary battery
1100-000371	Secondary battery pack	3700mAh/6-cell secondary battery
1100-000261	80G HDD Module	80G wide-temperature shock-mounted HDD module (-30°C ~ 85°C, 8M cache, SATA300MB/s)
1100-000251	160G HDD Module	160G shock-mounted HDD module (8M cache, SATA300MB/s)
1100-000331	JNB-1401 optical driver	Combo, supporting CD/DVD readable, CD recordable and CD rewritable
1100-000341	JNB-1401 optical driver	CD-ROM
1100-001251	Vehicle Adapter/Normal	Vehicle DC adapter, 9V to 32V DC input, 19V DC output with normal 4-pin connector
1100-001261	Vehicle Adapter/Ruggedized	90W vehicle DC adapter with ruggedized output connector, 9V to 32V DC input
0020-043680	Vehicle Docking	JNB-1401 Series vehicle docking
2991-001531	JNB bay	JNB bag/black/ anti-rain