

JNB-1404

13.1" / 14.1" Fanless Rugged Laptop with Intel® Core™2 Duo Processor



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Features

- 13.1" / 14.1" fanless rugged laptop
- Intel® Core™2 Duo L7500 processor
- Intel GME965 chipset
- Max. 2GB + 512MB DDRII 667Mhz memory
- IP54 protection

Specifications

Model	JNB-1404-3	JNB-1401-4
Processor	Intel® Core™2 Duo processor	L7500 1.6GHz LV processor
	FSB	FSB 800MHz
	L2 cache	4M
Chipset	Northbridge	Intel GME965
	Southbridge	ICH8-M
Memory	DDR2(1 x SO-DIMM) + onboard	Max. 2GB + 512MB DDRII 667
VGA Controller	Graphics controller	Intel GMA X3100
	TFT LCD	13.3" XGA (1024 x 768)
Display	Sunlight readable	YES
	LCD protection screen	YES
HDD	SATAHDD	Removable SATA 5400RPM
		80GB(wide temperature HDD)
Media Bay	DVD-ROM(standard), Combo(optional), DVD-dual(optional), 2 nd battery pack(optional), COM board(two RS 232/422/485)(optional)	2 nd Battery pack
	Waterproof membrane	Standard
	Waterproof rubber backlight	Standard
	Touch pad	Capacitance type touchpad
Keyboard	PCMCIA	1 x PCMCIA type II
	Express card	1 x Express card type II
	Card reader	Card reader 5 in1 MS/MS-Pro/XD/SD/MMC
	Audio chip	ALC 888
Audio/Camera		Built-in, internal microphone
		External microphone
	Speaker	Stereo 4W speakers
	Camera	130M pixels
I/O Port	Serial port	2
	USB 2.0	3
	External VGA	1
	1394B(Mini)	1 x IEEE 1394B
	Parallel port	N/A
	RJ-45	1 x RJ45
	RJ-11	1 x RJ11
	Microphone	1 x Mic-in
	Line-out	1 x Line-out
	IrDA	N/A

I/O Port	Docking port	1	1
	DC in	1	1
Communication Interface	10/100/1000 base-T Ethernet	10/100/1000 Base-T Ethernet	10/100/1000 Base-T Ethernet
	56Kbps ITU V.92 modem	56k ITU V.92 Modem	56k ITU V.92 Modem
	Intel PRO/Wireless 3945a/b/g	Intel Pro/wireless 3945 b/g	Intel Pro/wireless 3945 b/g
	Bluetooth	Bluetooth v1.2 CLASS 1	Bluetooth v1.2 CLASS 1
Security	TCM 1.2	TCM 1.2(optional)	TCM 1.2(optional)
	Fingerprint	Fingerprint	Fingerprint
	Kensington Lock	Yes	Yes
Power	Adapter(90w)	AC Adapter(90W, 100-240V, 50/60Hz)	AC Adapter(90W, 100-240V, 50/60Hz)
	LI-ion Smart battery 6600mAh	LI-ion Smart (6600mAH)	LI-ion Smart (6600mAH)
	Operating system	Windows XP Home Edition (English)	Windows XP Home Edition (English)
		Windows XP Professional Edition (English)	Windows XP Professional Edition (English)
		Windows XP Embedded (English)	Windows XP Embedded (English)
Physical		Linux	Linux
	Dimensions(W x D x H)	328 x 272 x 46	328 x 272 x 46
	Weight	4.2kg	4.2kg
Port on Vehicle Docking	Serial port	2	2
	Parallel port	1	1
	USB 2.0	2	2
	PC/104	1 x PC/104	1 x PC/104
	PCI slot	2 x PCI	2 x PCI
	PCI-E x1	2 x PCI-E x1	2 x PCI-E x1
	DC input	1	1

Environmental Test Specifications

Item	Test Criteria
Temperature	According to IEC 68-2-1,2,14 / MIL-STD-810F, Method 501.4, 502.4
	Operating: -20°C to 55°C
	Non-operating: -40°C to 70°C
Humidity	According to IEC 68-2-30 / MIL-STD-810F, Method 507
	45% to 95% RH, non-condensing
Altitude	According to IEC 68-2-13/ MIL-STD-810F, Method 500.4
	Operating: 15,000 ft
	Non-operating: 40,000 ft
	Altitude change rate: 2,000 ft/min
Shock	According to IEC 68-2-27/ MIL-STD-810F, Method 516.5
Drop	According to IEC 68-2-32 / MIL-STD-810F, Method 516.5
Vibration	According to IEC 68-2-6 / MIL-STD-810F, Method 514.5
ESD	According to IEC1000-4-2
Enclosure	According to IEC 529, NEMA, MIL-STD-810F, Method 506.4, 510.4
	IP54 compliance
EMC	MIL-STD-810F Series(standard)
	MIL-STD-461E Series(optional)
	GJB 150 Series(standard)
	GJB 151A Series(optional)
	GJB 152A Series(optional)

Available Accessories

Part Number	Name	Description	Qty.
2360-024491	Power supply cable/KING-CORD/RoHS	KC-015A connector to KC-008 connector/length:1.5mm/H05W-F/K5A081H5150	1
	User's Manual/RoHS	JNB-1404	1
	Driver CD (protective film)	JNB-1404	1
2100-060971	Power adapter/EPs/RoHS	90/F10903-A(85)R/round head 4-pin	1
2100-059341	DVD-ROM/RoHS	DVD-ROM/CD-RW/DRIVE/DW-224E-V83/-V93	1
1100-000231	Lithium-ion battery pack/RoHS	JNB-1404/9-cell battery pack	1
2360-027121	(YF)MODEM telephone line/JNB-1404/RoHS	Telephone line, length: 1.5m (outsourced)	1
2401-006501	(YF)Accessories box/RoHS	420x365x53mm/K3K/JNB-1404	1

Ordering Information

Part Number	Model Number	Description
0010-015090	JNB-1404/Rugged Laptop	Complete PC:L2400/512M/80G/90WPOWERSUPPLY/JNB1401-945-MB/JNB1401-HDD-FPC-BD Converter board/JNB-1404
0010-015091	JNB-1404/Rugged Laptop	Complete PC/RoHS:L2400/512M/80G/90WPOWERSUPPLY/JNB1401-945-MB/JNB1401-HDD-FPC-BD Converter board/JNB-1404
0020-034831	JNB-1404/no power supply/no backplane	Empty chassis/RoHS
0020-034830	JNB-1404/no power supply/no backplane	Empty chassis