

Fujitsu LIFEBOOK NH532 Intel® Core™ i7 i7-3630QM Laptop 17.3" Full HD 8 GB DDR3-SDRAM 1 TB HDD NVIDIA® GeForce® GT 640M LE Windows 8 Black, Blue

Brand : Fujitsu

Product family: LIFEBOOK

Article code:
VFY:NH532M67B2RU

Product name : NH532

Intel Core i7-3630QM Processor (6M Cache, up to 3.40 GHz), Intel HM77, 17.3" FHD LED 1920 x 1080, 8GB DDR3 1600MHz, 1TB SATA HDD, nVidia GeForce GT 640M LE 2GB DDR3, DVD Super Multi, Gigabit LAN, WLAN, Bluetooth, WebCam, Windows 8 64-bit

Fujitsu LIFEBOOK NH532. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-3630QM, Processor frequency: 2.4 GHz. Display diagonal: 17.3", HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 1 TB, Storage media: HDD, Optical drive type: DVD Super Multi. Operating system installed: Windows 8. Product color: Black, Blue



Design		Keyboard	
Product type *	Laptop	Numeric keypad *	✓
Product color *	Black, Blue	Spill-resistant keyboard	✓
Form factor *	Clamshell	Windows keys	✓
Display		Software	
Display diagonal *	17.3"	Operating system architecture	64-bit
Display resolution *	1920 x 1080 pixels	Drivers included	✓
Touchscreen *	✗	Operating system installed *	Windows 8
HD type	Full HD	Processor special features	
LED backlight	✓	Intel® Wireless Display (Intel® WiDi)	✓
Native aspect ratio	16:9	Intel® My WiFi Technology (Intel® MWT)	✓
Display surface	Gloss	Intel® Anti-Theft Technology (Intel® AT)	✓
Display brightness	300 cd/m²	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor manufacturer *	Intel	Intel® Turbo Boost Technology	2.0
Processor family *	Intel® Core™ i7	Enhanced Intel SpeedStep Technology	✓
Processor generation	3rd gen Intel® Core™ i7	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor model *	i7-3630QM	Intel Clear Video Technology	✗
Processor cores	4	Intel® InTru™ 3D Technology	✓
Processor threads	8	Intel® Insider™	✓
Processor boost frequency	3.4 GHz	Intel® Quick Sync Video Technology	✓
Processor frequency *	2.4 GHz	Intel Flex Memory Access	✓
System bus rate	5 GT/s	Intel® Smart Cache	✓
Processor cache	6 MB	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache type	Smart Cache	Intel Trusted Execution Technology	✗
Processor socket	PGA988	Intel Enhanced Halt State	✓
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i7-3600 Mobile series		
Processor codename	Ivy Bridge		
Bus type	DMI		
FSB Parity	✗		
Stepping	E1		

Processor		Processor special features	
Thermal Design Power (TDP)	45 W	Intel VT-x with Extended Page Tables (EPT)	✓
Tjunction	105 °C	Intel Demand Based Switching	✗
Maximum number of PCI Express lanes	16	Intel® Secure Key	✓
PCI Express slots version	3.0	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel 64	✓
CPU multiplier (bus/core ratio)	24	Execute Disable Bit	✓
ECC supported by processor	✗	Idle States	✓
Memory		Thermal Monitoring Technologies	✓
Internal memory *	8 GB	Processor package size	37.5 x 37.5 (rPGA988B)
Internal memory type	DDR3-SDRAM	Supported instruction sets	AVX
Memory clock speed	1600 MHz	Processor code	SR0UX
Memory form factor	SO-DIMM	CPU configuration (max)	1
Memory layout (slots x size)	2 x 4 GB	Embedded options available	✗
Memory slots	2x SO-DIMM	Graphics & IMC lithography	22 nm
Maximum internal memory *	16 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Storage		Intel Identity Protection Technology version	1.00
Total storage capacity *	1 TB	Intel Secure Key Technology version	1.00
Storage media *	HDD	Intel Virtualization Technology (VT-x)	✓
Number of HDDs installed	2	Intel Dual Display Capable Technology	✓
HDD capacity	500 GB	Intel FDI Technology	✓
HDD interface	SATA	Intel Rapid Storage Technology	✗
HDD speed	5400 RPM	Intel Fast Memory Access	✓
HDD size	2.5"	Processor ARK ID	71459
Optical drive type *	DVD Super Multi	Conflict-Free processor	✓
Card reader integrated	✓	Integrated 4G WiMAX	✓
Compatible memory cards	Memory Stick (MS), MS PRO, SD, SDHC	Battery	
Graphics		Battery technology	Lithium-Ion (Li-Ion)
Discrete graphics card model *	NVIDIA® GeForce® GT 640M LE	Number of battery cells	8
Discrete graphics card memory	2 GB	Battery capacity	5800 mAh
Discrete graphics memory type	GDDR3	Battery life (max)	7 h
On-board graphics card *	✓	Power	
Discrete graphics card *	✓	AC adapter power	120 W
On-board graphics card family	Intel® HD Graphics	AC adapter frequency	50 - 60 Hz
On-board graphics card model *	Intel® HD Graphics 4000	AC adapter input voltage	100 - 240 V
On-board graphics card base frequency	650 MHz	AC adapter output current	6.32 A
On-board graphics card dynamic frequency (max)	1150 MHz	AC adapter output voltage	19 V
On-board graphics card ID	0x166	DC-in jack	✓
Number of discrete graphics cards supported	1	Security	
Number of discrete graphics cards installed	1	Cable lock slot	✓
Audio		Trusted Platform Module (TPM)	✓
Audio system	DTS	Password protection type	HDD, Supervisor, User
Number of built-in speakers	2	Operational conditions	
Built-in microphone	✓	Operating temperature (T-T)	5 - 35 °C
Camera		Storage temperature (T-T)	-10 - 60 °C
Front camera	✓	Operating relative humidity (H-H)	20 - 85%
Network		Storage relative humidity (H-H)	20 - 80%
Wi-Fi	✓	Sustainability	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Sustainability certificates	EPEAT Gold
Ethernet LAN	✓	Weight & dimensions	
Ethernet LAN data rates	10,100,1000 Mbit/s	Width	16.1" (410 mm)
Bluetooth	✓		
Bluetooth version	4.0		

Ports & interfaces		Weight & dimensions	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Depth	10.6" (270 mm)
eSATA/USB 2.0 ports quantity	1	Height (front)	0.803" (2.04 cm)
Ethernet LAN (RJ-45) ports	1	Height (rear)	1.38" (3.5 cm)
HDMI ports quantity *	1	Weight *	6.61 lbs (3 kg)
HDMI version	1.4a	Packaging content	
DVI port	✗	AC adapter included *	✓
VGA (D-Sub) ports quantity	1	Cables included	AC
Headphone outputs	1	Manual	✓
S/PDIF out port	✓	Quick start guide	✓
Microphone in	✓	Warranty card	✓
Docking connector	✗	Other features	
ExpressCard slot	✓	Disc types supported	CD, DVD
CardBus PCMCIA slot type	✗	3D	✗
SmartCard slot	✗	Maximum internal memory (64-bit)	16 GB
USB Sleep-and-Charge	✓	NVIDIA Optimus technology	✓
USB Sleep-and-Charge ports	1		
Performance			
Motherboard chipset	Intel HM77 Express		
Keyboard			
Pointing device	Touchpad		

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