

Fujitsu LIFEBOOK A512 Intel® Core™ i3 i3-3110M 39.6 (15.6) 4 GB DDR3-SDRAM 500 GB HDD Windows 7 Professional



Brand : Fujitsu

Product family: LIFEBOOK

Product code:
VFY:A5120M63A1IT

Product name : A512

Design		Keyboard	
Product type *	Laptop	Spill-resistant keyboard	✓
Product colour *	Black	Keyboard number of keys	106
Form factor *	Clamshell		
Display		Software	
Display diagonal *	39.6 cm (15.6")	Operating system architecture	64-bit
Display resolution *	1366 x 768 pixels	Recovery operating system	Windows 8 Pro
Touchscreen *	✗	Operating system installed *	Windows 7 Professional
LED backlight	✓		
Native aspect ratio	16:9	Processor special features	
Display brightness	200 cd/m²	Intel® Wireless Display (Intel® WiDi)	✓
Contrast ratio (typical)	300:1	Intel® My WiFi Technology (Intel® MWT)	✓
Processor		Intel Smart Connect Technology	✗
Processor manufacturer *	Intel	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor family *	Intel® Core™ i3	Intel® Rapid Start Technology	✗
Processor generation	3rd gen Intel® Core™ i3	Intel® Smart Response Technology	✗
Processor model *	i3-3110M	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cores	2	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor threads	4	Intel® Turbo Boost Technology	✗
Processor frequency *	2.4 GHz	Intel® Small Business Advantage (Intel® SBA)	✗
System bus rate	5 GT/s	Intel® Matrix Storage Technology (Intel® MST)	✗
Processor cache	3 MB	Intel® High Definition Audio (Intel® HD Audio)	✗
Processor cache type	Smart Cache	Intel® Active Management Technology (Intel® AMT)	✗
Processor socket	BGA 1023	Enhanced Intel SpeedStep Technology	✓
Processor lithography	22 nm	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor operating modes	64-bit	Intel Clear Video Technology	✗
Processor series	Intel Core i3-3100 Mobile Series	Intel® InTru™ 3D Technology	✓
Processor codename	Ivy Bridge	Intel® Insider™	✓
Bus type	DMI	Intel® Quick Sync Video Technology	✓
FSB Parity	✗	Intel Flex Memory Access	✓
Stepping	L1	Intel® Smart Cache	✓
Thermal Design Power (TDP)	35 W	Intel® AES New Instructions (Intel® AES-NI)	✗
Tjunction	90 °C	Intel Trusted Execution Technology	✗
Maximum number of PCI Express lanes	16	Intel Enhanced Halt State	✓
PCI Express slots version	2.0		
PCI Express configurations	1x16, 2x8, 1x8+2x4		
CPU multiplier (bus/core ratio)	24		
ECC supported by processor	✗		
Memory			
Internal memory *	4 GB		
Internal memory type	DDR3-SDRAM		

Memory		Processor special features	
Memory clock speed	1600 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
Memory form factor	SO-DIMM	Intel Demand Based Switching	✗
Maximum internal memory *	16 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Storage		Intel 64	✓
Total storage capacity *	500 GB	Execute Disable Bit	✓
Storage media *	HDD	Idle States	✓
Number of HDDs installed	1	Thermal Monitoring Technologies	✓
HDD capacity	500 GB	Processor package size	37.5 x 37.5 (rPGA988B); 31 x 24 (BGA1023)
HDD interface	SATA	Supported instruction sets	AVX
HDD speed	5400 RPM	Processor code	SR0N2
HDD size	2.5"	CPU configuration (max)	1
Optical drive type *	DVD Super Multi	Embedded options available	✗
Card reader integrated	✓	Graphics & IMC lithography	22 nm
Compatible memory cards	SD, SDHC	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Graphics		Intel Identity Protection Technology version	1.00
Discrete graphics card model *	Not available	Intel Virtualization Technology (VT-x)	✓
On-board graphics card *	✓	Intel Dual Display Capable Technology	✓
Discrete graphics card *	✗	Intel FDI Technology	✓
On-board graphics card family	Intel® HD Graphics	Intel Rapid Storage Technology	✗
On-board graphics card model *	Intel® HD Graphics 4000	Intel Fast Memory Access	✓
On-board graphics card base frequency	650 MHz	Processor ARK ID	65700
On-board graphics card dynamic frequency (max)	1000 MHz	Conflict-Free processor	✓
On-board graphics card ID	0x166	Integrated 4G WiMAX	✓
Maximum graphics card memory	1.695 GB	Battery	
Audio		Battery technology	Lithium-Ion (Li-Ion)
Audio system	Realtek ALC269 VC2 HD	Number of battery cells	6
Number of built-in speakers	2	Battery capacity	4400 mAh
Built-in microphone	✓	Battery capacity *	48 Wh
Camera		Battery life (max)	6 h
Front camera	✓	Power	
Network		AC adapter power	65 W
Wi-Fi	✓	AC adapter frequency	50 - 60 Hz
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	AC adapter input voltage	100 - 240 V
Ethernet LAN	✓	AC adapter output current	3.5 A
Ethernet LAN data rates	10,100,1000 Mbit/s	DC-in jack	✓
Bluetooth	✓	Security	
Bluetooth version	4.0	Cable lock slot	✓
Data network	Not supported	Cable lock slot type	Kensington
4G WiMAX	✗	Certificates	
Ports & interfaces		Wi-Fi certified	✗
USB 2.0 ports quantity *	3	Weight & dimensions	
Ethernet LAN (RJ-45) ports	1	Width	378 mm
HDMI ports quantity *	1	Depth	252 mm
DVI port	✗	Height	36.5 mm
VGA (D-Sub) ports quantity	1	Weight *	2.5 kg
Headphone outputs	1		
S/PDIF out port	✗		
Microphone in	✓		
Docking connector	✗		
ExpressCard slot	✓		
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		

Performance

Motherboard chipset	Intel® HM75 Express
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Keyboard

Pointing device	Touchpad
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Numeric keypad *	✓
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