

Fujitsu LIFEBOOK A531 Intel® Core™ i5 i5-2430M 39,6 cm (15.6") 4 GB DDR3-SDRAM 500 GB HDD Windows 7 Professional Hitam, Perak

Brand : Fujitsu

Product family: LIFEBOOK

Product code:
VFY:A5310MP403DE

Product name : A531

Fujitsu LIFEBOOK A531. Keluarga pemproses: Intel® Core™ i5, Model pemproses: i5-2430M, Frekuensi pemproses: 2,4 GHz. Pepenjuru paparan: 39,6 cm (15.6"), Resolusi paparan: 1366 x 768 piksel. Memori dalaman: 4 GB, Jenis memori dalaman: DDR3-SDRAM. Kapasiti keseluruhan storan: 500 GB, Media simpanan: HDD, Jenis pemacu gentian kaca: Super Multi DVD. Model penyesuai grafik papan ibu: Intel® HD Graphics 3000. Sistem operasi yang dipasang: Windows 7 Professional. Product color: Hitam, Perak. Berat: 2,5 kg



Reka bentuk		Papan kekunci	
Product color *	Hitam, Perak	Bilangan kekunci papan kekunci	106
Paparan		Kunci Windows	✓
Pepenjuru paparan *	39,6 cm (15.6")	Tata letak papan kekunci	QWERTZ
Resolusi paparan *	1366 x 768 piksel	Perisian	
Skrin sentuh *	✗	Seni bina sistem operasi	64-bit
Lampu belakang LED	✓	Pemacu disertakan	✓
Nisbah aspek asal	16:9	Pre-installed software Adobe Acrobat Reader, CyberLink YouCam, EasyGuide, Nero Essentials S, Norton Internet Security, Microsoft Office Starter Trial software Norton Internet Security Sistem operasi yang dipasang * Windows 7 Professional	
Permukaan paparan	Kusam		
Kecerahan paparan	220 cd/m²		
Contrast ratio (typical)	400:1	Ciri khas pemproses	
Pemproses		Intel® Wireless Display (Intel® WiDi)	✓
Pengilang pemproses *	Intel	Teknologi Intel® My WiFi (Intel® MWT)	✓
Keluarga pemproses *	Intel® Core™ i5	Teknologi Intel® Anti-Theft (Intel® AT)	✓
Generasi pemproses	2nd gen Intel® Core™ i5	Teknologi Intel® Identity Protection (Intel® IPT)	✓
Model pemproses *	i5-2430M	Teknologi Intel® Hyper Threading (Teknologi Intel® HT)	✓
Teras pemproses	2	Teknologi Intel® Turbo Boost	2.0
Benang pemproses	4	Teknologi SpeedStep Intel yang telah dipertingkatkan	✓
Frekuensi peningkatan pemproses	3 GHz	Teknologi Video Jernih HD Intel® (Intel® CVT HD)	✓
Frekuensi pemproses *	2,4 GHz	Teknologi Video Jelas Intel	✗
Kadar sistem bus	5 GT/s		
Pemproses cache	3 MB		
Processor cache type	Cache Pintar		
Soket pemproses	Socket 988		
Pemproses litografi	32 nm		
Mod pengoperasian pemproses	64-bit		
Siri pemproses	Intel Core i5-2400 Mobile Series		

Pemproses		Ciri khas pemproses	
Pemproses nama kod	Sandy Bridge	Teknologi Intel® InTru™ 3D	✓
Bus type	DMI	Intel® Insider™	✓
FSB Kesamarataan	✗	Teknologi Video Intel® Laju Segerak	✓
Melangkah	J1	Akses Memori Fleks Intel	✓
Thermal Design Power (TDP)	35 W	Intel® Cache Bijak	✓
Tjunction	100 °C	Intel® AES Arahan Baharu (Intel® AES-NI)	✓
Jumlah maksimum jalur PCI Ekspres	16	Teknologi Intel Pelaksanaan yang Dipercayai	✗
Versi slot PCI Express	2.0	Intel Keadaan Terhenti yang Dipertingkatkan	✓
Konfigurasi PCI Express	1x16, 2x8, 1x8+2x4	Intel VT-x dengan Jadual Halaman yang Dipanjangkan (EPT)	✓
CPU multiplier (bus/core ratio)	24	Intel Pertukaran Berdasarkan Permintaan	✗
Disokong ECC oleh pemproses	✗	Intel® Teknologi video jernih untuk Peranti Internet Mudah Alih (Intel CVT untuk MID)	✗
Memori		Intel 64	✓
Memori dalaman *	4 GB	Laksanakan Bit nyahdaya	✓
Jenis memori dalaman	DDR3-SDRAM	Keadaan terbiar	✓
Kelajuan jam memori	1333 MHz	Teknologi Pemantauan Termal	✓
Slot memori	2x SO-DIMM	Processor package size	37.5x37.5 (rPGA988B); 31 x 24 (BGA1023)
Memory slots (available)	1	Set arahan disokong	AVX
Memori dalaman maksimum *	8 GB	Kod pemproses	SR04W
Storan		CPU konfigurasi (maks)	1
Kapasiti keseluruhan storan *	500 GB	Opsyen Tertanam tersedia	✗
Media simpanan *	HDD	Litografi Grafik &IMC	32 nm
Jumla HDD yang dipasang	1	Teknologi Kemayaan Intel untuk I/O (VT-d) terarah	✗
Kapasiti HDD	500 GB	Intel Identity Protection Technology version	1,00
Antara muka HDD	SATA	Teknologi Kemayaan Intel (VT-x)	✓
Kelajuan HDD	5400 RPM	Teknologi Intel Kemampuan Dwi Paparan	✓
Jenis pemacu gentian kaca *	Super Multi DVD	Teknologi Intel FDI	✓
Pembaca kad bersepadu	✓	Teknologi Simpanan Pesat Intel	✗
Kad memori yang serasi	Memory Stick (MS), MS PRO, SD, SDHC	Akses Memori Laju Intel	✓
Grafik		Pemproses ARK ID	53450
Model penyesuai grafik penuh *	Tidak tersedia	Pemproses bebas konflik	✗
Penyesuai grafik atas papan *	✓	4G WiMAX diintegrasikan	✓
Penyesuai grafik diskret *	✗	Bateri	
Keluarga penyesuai grafik pada papan	Intel® HD Graphics	Bilangan sel bateri	6
Model penyesuai grafik papan ibu *	Intel® HD Graphics 3000	Kapasiti bateri	4400 mAh
Memri penyesuai grafik papan ibu	1,695 GB	Kapasiti bateri *	48 Wh
Frekuensi grafik asas penyesuai atas papan	650 MHz	Hayat bateri (maks)	6 h
Frekuensi dinamik (maks) penyesuai atas papan grafik	1200 MHz	Kuasa	
Penyesuai grafik ID atas papan	0x116	Kuasa penyesuai AU	65 W
Resolusi maksimum	1920 x 1200 piksel	Voltan input penyesuai AU	100 - 240 V
Audio		Arus output penyesuai AU	3,25 A
Sistem audio	Realtek ALC269 HD	Voltan output penyesuai AU	20 V
Bilangan pembesar suara terbina dalam	2	DC-in jack	✓
Subwufer terbina dalam	✗	Keselamatan	
Mikrofon terbina dalam	✓	Slot kunci kabel	✓
Kamera		Jenis slot kunci kabel	Kensington
Front camera resolution (numeric)	1,3 MP	Pembaca cap jari	✗
Rangkaian		Trusted Platform Module (TPM)	✗
Wi-Fi	✓	Jenis perlindungan kata laluan	BIOS, HDD
Ciri perangkaian	Gigabit Ethernet		
Standard Wi-Fi	802.11b, 802.11g, Wi-Fi 4 (802.11n)		
Ethernet LAN	✓		
Bluetooth	✓		

Rangkaian		Keadaan operasi	
Versi Bluetooth	2.1+EDR	Suhu operasi (T-T)	5 - 35 °C
Teknologi perkabelan	10/100/1000Base-T(X)	Suhu simpanan (T-T)	-15 - 60 °C
Port & antara muka		Kelembapan relatif operasi (H-H)	20 - 85%
Kuantiti port USB 2.0 *	3	Sijil	
Port LAN Ethernet (RJ-45)	1	Diiktiraf oleh Wi-Fi	✓
Kuantiti port HDMI *	1	Pensijilan	CE Marking, R&TTE, ENERGY STAR 5.0, RoHS, GOST
Port DVI	✗	Berat & dimensi	
Kuantiti port VGA (Sub-D)	1	Lebar	378 mm
Output fon kepala	1	Kedalaman	252 mm
Port keluar S/PDIF	✗	Tinggi	36,5 mm
Mikrofon masuk	✓	Berat *	2,5 kg
Penyambung dok	✗	Kandungan pembungkusan	
Slot ExpressCard	✓	Termasuk penyesuai AC *	✓
Jenis slot PCMCIA CardBus	✗	Alat kawalan jauh pegangan tangan	✗
Slot kad pintar	✗	Ciri-ciri lain	
TV-keluar	✗	Port data inframerah	✗
Prestasi		Keluarga penyesuai grafik	Intel
Cipset papan ibu	Intel® HM65 Express	Paparan	TFT
Papan kekunci		Jenis bekalan kuasa	AC/DC
Ketukan kekunci papan kekunci	1,8 mm	Pematuhan standard industri	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Nada kunci papan kekunci	1,98 cm	Sistem pengendalian yang serasi	Microsoft Windows 7 Home Premium 64-bit, Windows 7 Home Basic (EM) 64-bit, Windows 7 Starter 32-bit
Peranti penunjuk	Pad sentuh	Paparan luar	✗
Pad kekunci angka *	✓	Modem dalaman	✗
Cahaya belakang papan kekunci	✗	Penala TV bersepadu	✗
Papan kekunci kalis percikan	✓		
Papan kekunci saiz penuh	✓		

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