**FUJITSU** LIFEBOOK

# Fujitsu LIFEBOOK A544 Intel® Core™ i7 i7-4702MQ Laptop 39,6 cm (15.6") 8 GB DDR3-SDRAM 500 GB HDD NVIDIA® GeForce® GT 720M Windows 8.1 Pro Black

**Brand :** Fujitsu

**Product family:** LIFEBOOK

**Product code:**
VFY:AH544M2701IT

**Product name :** A544

Intel Core i7-4702MQ (6M Cache, 2.20 GHz), 8GB HDD, 500GB HDD, Nvidia GT 720M, 15.6" 1366 x 768 300:1, 802.11 b/g/n, Gigabit Ethernet, 2400g, Black, Windows 8.1 Pro
Fujitsu LIFEBOOK A544. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-4702MQ, Processor frequency: 2,2 GHz. Display diagonal: 39,6 cm (15.6"), Display resolution: 1366 x 768 pixels. Internal memory: 8 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 500 GB, Storage media: HDD, Optical drive type: DVD-RW. On-board graphics card model: Intel® HD Graphics 4600. Operating system installed: Windows 8.1 Pro. Product colour: Black

## Design

| | |
|---|---|
| Product type * | Laptop |
| Product colour * | Black |
| Form factor * | Clamshell |

## Display

| | |
|---|---|
| Display diagonal * | 39,6 cm (15.6") |
| Display resolution * | 1366 x 768 pixels |
| Touchscreen * | ✗ |
| LED backlight | ✔ |
| Native aspect ratio | 16:9 |
| Display brightness | 300 cd/m² |

## Processor

| | |
|---|---|
| Processor manufacturer * | Intel |
| Processor family * | Intel® Core™ i7 |
| Processor generation | 4th gen Intel® Core™ i7 |
| Processor model * | i7-4702MQ |
| Processor cores | 4 |
| Processor threads | 8 |
| Processor boost frequency | 3,2 GHz |
| Processor frequency * | 2,2 GHz |
| Processor cache | 6 MB |
| Processor cache type | Smart Cache |
| Processor socket | PGA946 |
| Processor lithography | 22 nm |
| Processor operating modes | 64-bit |
| Processor series | Intel Core i7-4700 Mobile series |
| Processor codename | Haswell |
| Bus type | DMI2 |
| FSB Parity | ✗ |
| Stepping | C0 |
| Thermal Design Power (TDP) | 37 W |
| Tjunction | 100 °C |
| Maximum number of PCI Express lanes | 16 |

## Software

| | |
|---|---|
| Operating system installed * | Windows 8.1 Pro |
| Bundled software | Adobe Reader CyberLink YouCam McAfee Internet Security and Antivirus Software TPM software Microsoft Office EasyGuide |

## Processor special features

| | |
|---|---|
| Intel® Wireless Display (Intel® WiDi) | ✔ |
| Intel® My WiFi Technology (Intel® MWT) | ✔ |
| Intel Smart Connect Technology | ✗ |
| Intel® Anti-Theft Technology (Intel® AT) | ✔ |
| Intel® Rapid Start Technology | ✗ |
| Intel® Smart Response Technology | ✗ |
| Intel® Identity Protection Technology (Intel® IPT) | ✔ |
| Intel® Hyper Threading Technology (Intel® HT Technology) | ✔ |
| Intel® Turbo Boost Technology | 2.0 |
| Intel® Small Business Advantage (Intel® SBA) | ✗ |
| Intel® Matrix Storage Technology (Intel® MST) | ✗ |
| Intel® High Definition Audio (Intel® HD Audio) | ✗ |
| Intel® Active Management Technology (Intel® AMT) | ✗ |
| Enhanced Intel SpeedStep Technology | ✔ |
| Intel® Clear Video HD Technology (Intel® CVT HD) | ✔ |
| Intel Clear Video Technology | ✗ |
| Intel® InTru™ 3D Technology | ✔ |
| Intel® Insider™ | ✔ |
| Intel® Quick Sync Video Technology | ✔ |

## Processor

| | |
|---|---|
| PCI Express slots version | 3.0 |
| PCI Express configurations | 1x16, 2x8, 1x8+2x4 |
| ECC supported by processor | ✘ |

## Memory

| | |
|---|---|
| Internal memory * | 8 GB |
| Internal memory type | DDR3-SDRAM |
| Memory clock speed | 1600 MHz |
| Memory form factor | SO-DIMM |
| Memory layout (slots x size) | 1 x 8 GB |
| Memory slots | 2x SO-DIMM |
| Maximum internal memory * | 16 GB |

## Storage

| | |
|---|---|
| Total storage capacity * | 500 GB |
| Storage media * | HDD |
| Number of HDDs installed | 1 |
| HDD capacity | 500 GB |
| HDD interface | SATA |
| HDD speed | 5400 RPM |
| HDD size | 2.5" |
| Optical drive type * | DVD-RW |
| Card reader integrated | ✔ |
| Compatible memory cards | SD, SDHC, SDXC |

## Graphics

| | |
|---|---|
| Discrete graphics card model * | NVIDIA® GeForce® GT 720M |
| On-board graphics card * | ✔ |
| Discrete graphics card * | ✔ |
| On-board graphics card family | Intel® HD Graphics |
| On-board graphics card model * | Intel® HD Graphics 4600 |
| On-board graphics card base frequency | 400 MHz |
| On-board graphics card dynamic frequency (max) | 1150 MHz |
| Maximum on-board graphics card memory | 1,74 GB |
| On-board graphics card DirectX version | 11.1 |
| On-board graphics card ID | 0x416 |

## Audio

| | |
|---|---|
| Audio system | DTS Boost |
| Number of built-in speakers | 2 |
| Built-in microphone | ✔ |

## Camera

| | |
|---|---|
| Front camera | ✔ |
| Front camera resolution (numeric) | 0,9 MP |
| Front camera resolution | 1200 x 768 pixels |

## Network

| | |
|---|---|
| Ethernet LAN | ✔ |
| Ethernet LAN data rates | 10,100,1000 Mbit/s |
| Bluetooth | ✘ |

## Ports & interfaces

| | |
|---|---|
| USB 2.0 ports quantity * | 1 |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 3 |
| Ethernet LAN (RJ-45) ports | 1 |
| HDMI ports quantity * | 1 |
| DVI port | ✘ |
| VGA (D-Sub) ports quantity | 1 |

## Processor special features

| | |
|---|---|
| Intel Flex Memory Access | ✘ |
| Intel® Smart Cache | ✔ |
| Intel® AES New Instructions (Intel® AES-NI) | ✔ |
| Intel Trusted Execution Technology | ✘ |
| Intel Enhanced Halt State | ✔ |
| Intel VT-x with Extended Page Tables (EPT) | ✔ |
| Intel Demand Based Switching | ✘ |
| Intel® Secure Key | ✔ |
| Intel TSX-NI | ✘ |
| Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) | ✘ |
| Intel 64 | ✔ |
| Execute Disable Bit | ✔ |
| Idle States | ✔ |
| Thermal Monitoring Technologies | ✔ |
| Processor package size | 37.5 x 32 x 1.6 mm |
| Supported instruction sets | AVX 2.0, SSE4.1, SSE4.2 |
| Processor code | SR15J |
| CPU configuration (max) | 1 |
| Embedded options available | ✘ |
| Intel Virtualization Technology for Directed I/O (VT-d) | ✘ |
| Intel Identity Protection Technology version | 1,00 |
| Intel Secure Key Technology version | 1,00 |
| Intel TSX-NI version | 0,00 |
| Intel Virtualization Technology (VT-x) | ✔ |
| Intel Dual Display Capable Technology | ✘ |
| Intel FDI Technology | ✔ |
| Intel Rapid Storage Technology | ✘ |
| Intel Fast Memory Access | ✘ |
| Processor ARK ID | 75119 |
| Conflict-Free processor | ✔ |

## Battery

| | |
|---|---|
| Battery technology | Lithium-Ion (Li-Ion) |
| Number of battery cells | 6 |
| Battery capacity | 4500 mAh |
| Battery capacity * | 48 Wh |
| Battery life (max) | 5,2 h |

## Power

| | |
|---|---|
| AC adapter power | 65 W |
| AC adapter frequency | 50 - 60 Hz |
| AC adapter input voltage | 100 - 240 V |
| AC adapter output current | 3,42 A |
| AC adapter output voltage | 19 V |
| DC-in jack | ✔ |

## Security

| | |
|---|---|
| Cable lock slot | ✔ |
| Cable lock slot type | Kensington |
| Trusted Platform Module (TPM) | ✔ |

## Weight & dimensions

| | |
|---|---|
| Width | 378 mm |
| Depth | 252 mm |

## Ports & interfaces

| | |
|---|---|
| Headphone outputs | 1 |
| S/PDIF out port | ✗ |
| Microphone in | ✔ |
| Docking connector | ✗ |
| ExpressCard slot | ✗ |
| CardBus PCMCIA slot type | ✗ |
| SmartCard slot | ✗ |
| USB Sleep-and-Charge | ✔ |
| USB Sleep-and-Charge ports | 1 |

## Performance

| | |
|---|---|
| Motherboard chipset | Intel® HM86 |

## Keyboard

| | |
|---|---|
| Pointing device | Touchpad |
| Numeric keypad * | ✔ |

## Software

| | |
|---|---|
| Operating system architecture | 64-bit |
| Recovery operating system | Windows 7 Professional |

## Weight & dimensions

| | |
|---|---|
| Height | 30,9 mm |
| Weight * | 2,4 kg |

## Packaging content

| | |
|---|---|
| AC adapter included * | ✔ |
| Manual | ✔ |
| Quick start guide | ✔ |

## Other features

| | |
|---|---|
| LightScribe | ✗ |

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