

# DATASHEET

## FUJITSU LIFEBOOK E780 NOTEBOOK

### THE MOBILE TOP PERFORMER

#### LIFEBOOK E780

The simple philosophy behind LIFEBOOK E780: only the best is good enough. State-of-the-art Intel® technology and an optional NVIDIA® graphics card ensure brilliant graphics and best performance. This 39.6cm (15.6-inch) notebook supports HD or HD+ display with LED backlight. With features like fingerprint and Fujitsu's Advanced Theft Protection (ATP) your notebook is secured from any data theft.



#### MORE THAN ENOUGH PERFORMANCE

Maximum productivity even for the most demanding of applications thanks to state-of-the-art technology.

- Intel® Core™ i5 or i7 processor, Intel® vPro™ technology, optional high-performance NVIDIA graphics card

#### IDEAL SUBSTITUTE FOR A DESKTOP

Effective working even for the most demanding of users in all situations.

- 39.6 cm (15.6-inch) HD or HD+ display, modular bay, optional second 500GB hard disk drive

#### MAXIMUM CONNECTIVITY

Be available wherever you are; wireless connectivity anytime anywhere, even if there is no hotspot nearby.

- Integrated display port, E-SATA, serial port, optional integrated 3G/UMTS, WLAN and Bluetooth

#### MAXIMUM SECURITY

Protect your company data against unauthorized third-party access.

- Benefit from our end-to-end anti-theft concept with system and user protection, such as Computrace® enabled BIOS and Advanced Theft Protection, integrated SmartCard slot, optional fingerprint sensor, TPM module and SmartCase Logon+



#### GREAT FLEXIBILITY

The family concept offers standard accessory components for LIFEBOOK E780 and S710 Series.

- Standardized port replicator, power supply unit, keyboard and modular bay for optical drive, second battery or second hard disk drive



# COMPONENTS

<b>PROCESSOR</b>	Intel® Core™ i7 processor i7-620M (2.66 GHz, 4 MB) Intel® Core™ i5 processor i5-540M (2.53 GHz, 3 MB) Intel® Core™ i5 processor i5-520M (2.4 GHz, 3 MB)
<b>OPERATING SYSTEM</b>	
<b>Operating system optional preinstalled</b>	Microsoft® Windows® 7 Professional 64-bit TwinLoad Microsoft® Windows® XP Professional (DVD)
<b>Operating system compatible</b>	Microsoft® Windows® XP Professional
<b>Operating system notes</b>	Driver support for Microsoft® Windows® XP
<b>MEMORY MODULES</b>	2 GB (1 module(s) 2 GB) DDR3, 1066 MHz, PC3-8500, SO DIMM 4 GB (1 module(s) 4 GB) DDR3, 1333 MHz, PC3-10600, SO DIMM
<b>Supported capacity RAM (min.)</b>	2 GB
<b>Supported capacity RAM (max.)</b>	8 GB
<b>Memory slots total</b>	2
<b>Memory slot type</b>	DIMM (DDR3)
<b>Memory notes</b>	DDR3 1333 MHz will be clocked with 1066 MHz in combination with Intel® dual Core processors.
<b>HARD DISK DRIVES (INTERNAL)</b>	SSD SATA, 128 GB, 2.5-inch SATA, 7200 rpm, 500 GB, 2.5-inch, S.M.A.R.T. SATA, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T. SATA, 5400 rpm, 320 GB, 2.5-inch, S.M.A.R.T. SATA, 5400 rpm, 160 GB, 2.5-inch, S.M.A.R.T. FDE, 5400 rpm, 320 GB, 2.5-inch, S.M.A.R.T.
<b>Hard disk notes</b>	ShockSensor for HDD shock protection One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. Accessible capacity may vary, also depending on used software
<b>WLAN (OPTIONAL)</b>	Atheros Minicard b/g/n Intel® Centrino® 6200 802.11 a/b/g/n
<b>WIRELESS TECHNOLOGIES</b>	
<b>Antennas</b>	2 Dual band WLAN antennas, 2 UMTS antenna
<b>WLAN notes</b>	Import and usage according to country-specific regulations.
<b>3G/UMTS (OPTIONAL)</b>	Sierra Wireless Gobi 2000 (downlink 7.2 Mbit/s, uplink 5.76 Mbit/s)
<b>DISPLAY</b>	39.6 cm (15.6-inch), LED backlight, (HD+), anti-glare display, magnesium, 1600 x 900 pixel 39.6 cm (15.6-inch), LED backlight, (HD), anti-glare display, magnesium, 1366 x 768 pixel 39.6 cm (15.6-inch), LED backlight, (HD), anti-glare display, compound, 1366 x 768 pixel
<b>MODULAR BAY OPTIONS</b>	2nd battery 2nd hard disk drive DVD Super Multi Weight saver
<b>Base unit</b>	LIFEBOOK E780 NVIDIA® graphics LIFEBOOK E780 Intel® graphics
<b>GENERAL SYSTEM INFORMATION</b>	
<b>Chipset</b>	Intel® QM57
<b>Chipset notes</b>	supports iAMT 6.0#vPro requires Core i5-5xx/i7 processor, Intel W-LAN & TPM module
<b>BIOS features</b>	BIOS based on Phoenix SecureCore
<b>GRAPHICS</b>	
<b>TFT resolution (DisplayPort)</b>	up to 2560 x 1600
<b>TFT resolution (VGA)</b>	up to 1920 x 1200

**GRAPHICS**

<b>TFT resolution (DVI on Port Replicator)</b>	up to 2560 x 1600	
<b>Graphics brand name</b>	NVIDIA® GeForce® GT 330M	Intel® HD Graphics
<b>Graphics features</b>	DualView	
<b>Graphics notes</b>	Shared memory depending on main memory size and operating system	
<b>Dedicated video memory</b>	1 GB (DDR3 VRAM, 800 MHz)	
<b>Shared video memory</b>	up to 1695 MB	

**INTERFACES**

<b>Memory card slots</b>	1 (SD/MS/MSPro)	
<b>ExpressCard slots</b>	1	
<b>PC Card slot (Type I/II)</b>	1	
<b>SmartCard slot</b>	1	
<b>SIM card slot</b>	1	
<b>Modem (RJ-11)</b>	1 (optional)	
<b>eSATA</b>	1	
<b>USB 2.0 total</b>	4	
<b>FireWire (IEEE1394)</b>	1	
<b>Serial (RS-232)</b>	1	
<b>VGA</b>	1	
<b>DisplayPort</b>	1	
<b>Ethernet (RJ-45)</b>	1	
<b>DC-in</b>	1	
<b>Audio: line-in / microphone</b>	1	
<b>Audio: line-out / headphone</b>	1	
<b>Internal microphones</b>	2 digital array microphones	
<b>Docking connector for Port Replicator</b>	1	
<b>Kensington Lock support</b>	2	

**WIRED COMMUNICATION**

<b>Modem type</b>	Optional: 56 K V.92 modem MDC1.5	
<b>LAN</b>	10/100/1000 MBit/s Intel® 82577 LM	

**KEYBOARD AND POINTING DEVICES**

Spill-resistant keyboard		
Number of keyboard keys: 85, Keyboard pitch: 19 mm, Keyboard stroke: 2.7 mm		
EcoButton	EcoButton	
Fingerprint sensor	Fingerprint sensor option (with scroll function instead of scroll button)	
LockWorkstation button	LockWorkstation button	
MobilityCenter button	MobilityCenter button	
Second set of mouse buttons	Second set of mouse buttons	
TouchStick (optional)	TouchStick (optional)	
Touchpad with two mouse buttons and scroll via fingerprint sensor	Touchpad with two mouse buttons and one scroll button	

**MULTIMEDIA**

<b>Audio type</b>	On board	
<b>Audio codec</b>	Realtek ALC269	
<b>Audio features</b>	Stereo speakers, 2 digital array microphones	
<b>Camera</b>	Optional: Built-in webcam, 1.3 megapixel, VGA camera	

**POWER SUPPLY**

<b>AC adapter</b>	19 V / 100 W (5.27 A)	19 V / 80 W (4.22 A)
<b>Rated voltage range</b>	100 - 240 V (AC Input)	
<b>Rated frequency range</b>	50 - 60 Hz	
<b>1st battery</b>	Li-Ion battery 8-cell, 5800 mAh, 83 Wh	
	Li-Ion battery 6-cell, 5200 mAh, 56 Wh	
<b>2nd battery (optional)</b>	Li-Ion battery 3-cell, 3800 mAh, 41 Wh	

**POWER SUPPLY**

<b>Battery features</b>	Dynamic charge supported (rapid charge)	
<b>Benchmark</b>	Mobile Mark 2007 (readers mode – e.g. surfing the internet, writing E-mails, viewing documents)	
<b>Runtime 1st battery</b>	up to 5 h	up to 12 h
<b>Runtime 1st + 2nd battery</b>	up to 8 h	up to 18 h
<b>Battery charging time</b>	approximately 2 1/2 hours for 1st Battery	
<b>Battery notes</b>	Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time depends on usage.	

**POWER CONSUMPTION**

<b>Link to Energy White Paper</b>	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=6a1ccce7-cb9f-46c2-979f-7b8ea5074bf8">http://docs.ts.fujitsu.com/dl.aspx?id=6a1ccce7-cb9f-46c2-979f-7b8ea5074bf8</a>
-----------------------------------	---

**DIMENSIONS / WEIGHT / ENVIRONMENTAL**

<b>Dimensions (W x D x H)</b>	372 x 255 x 36 mm	
<b>Weight</b>	2.75 kg	2.7 kg
<b>Weight notes</b>	Actual weight may vary depending on configuration	
<b>Operating ambient temperature</b>	5 - 35°C	
<b>Operating relative humidity</b>	20 - 85 % (running)	

**ADDITIONAL SOFTWARE**

<b>Additional software (preinstalled)</b>	Adobe Acrobat Reader Application Panel Display Manager ShockSensor Utility Power Saving Utility Wireless Selector Utility EasyGuide online user documentation Nero Essentials S (burning software) Norton Internet Security (incl. Firewall) on Drivers & Utilities DVD for Microsoft Windows XP Toshiba Stack 4.x (not available for Windows® 7 operating systems)	
<b>Additional software (optional)</b>	Drivers & Utilities DVD (DUDVD) UMTS connection manager (optional with UMTS) SmartCase Logon+	

**MANAGEABILITY**

<b>Manageability features</b>	DeskUpdate Driver management iAMT 6.0 Intel® vPro™ technology	
<b>Manageability type</b>	DeskView 10.x client management including:	
<b>DeskView features</b>	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration WoL (Wake on LAN)	
<b>Supported standards</b>	WMI PXE BootP (made4you)	
<b>Manageability link</b>	<a href="http://ts.fujitsu.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html">http://ts.fujitsu.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html</a>	

**SECURITY**

<b>Physical security</b>	Kensington Lock support	
<b>System security</b>	Advanced Theft Protection Computrace® enabled BIOS Optional: Trusted platform module (TPM 1.2) Symantec Norton Internet Security (90 day test version)	
<b>User security</b>	Integrated Fingerprint Sensor Integrated SmartCard slot Hard disk password SystemLock BIOS SmartCard security User and supervisor BIOS password	Optional: Integrated Fingerprint Sensor Integrated SmartCard slot Hard disk password SystemLock BIOS SmartCard security User and supervisor BIOS password

**COMPLIANCE**

**Compliance link** <https://sp.ts.fujitsu.com/sites/certificates/default.aspx>

**PORTREPLICATOR INTERFACES (OPTIONAL)**

	Port replicator/AC adapter/GB-cable kit	Port replicator/AC adapter/EU-cable kit
<b>DC-in</b>	1 (19V)	1 (19V)
<b>Power on switch</b>	1	1
<b>Audio: headphone</b>	1	1
<b>Audio: microphone</b>	1	1
<b>USB 2.0 total</b>	4	4
<b>DisplayPort</b>	1 (up to 2560 x 1600)	1 (up to 2560 x 1600)
<b>VGA</b>	1	1
<b>DVI</b>	1 (Dual link - up to 2560 x 1600)	1 (Dual link - up to 2560 x 1600)
<b>Serial (RS-232)</b>	1	1
<b>Ethernet (RJ-45)</b>	1 (10/100/1000)	1 (10/100/1000)
<b>Parallel</b>	1	1
<b>Kensington Lock support</b>	1	1
<b>eSATA</b>	1	1

**RECOMMENDED ACCESSORIES**

<b>AC Adapter</b>	S26391-F519-L200
<b>1st battery</b>	S26391-F518-L200
<b>2nd battery</b>	S26391-F440-L200
<b>Memory (2GB)</b>	S26391-F504-L100
<b>Memory (4GB)</b>	S26391-F504-L200
<b>1st hard disk drive</b>	S26391-F507-L300
<b>2nd hard disk</b>	S26391-F508-L400
<b>DVD super Multi</b>	S26391-F515-L200
<b>Port replicator / AC adapter / cable kit</b>	S26391-F516-L100 (EU cable) S26391-F516-L200 (GB cable)
<b>Recommended cases</b>	S26391-F119-L71 (Supreme case maxi, black leather)

**WARRANTY**

**Standard Warranty** 1 year (Intel GFX) / 2 years (NVIDIA GFX) - depending on configuration

**Service level** Collect & Return Service / Bring-In Service (depending on country)

**MAINTENANCE AND SUPPORT SERVICES - THE PERFECT EXTENSION**

**Recommended Service** 5x9, Response Time: Next Business Day (Intel GFX) or On-site Service (NVIDIA GFX)

**Spare Parts availability** 5 years

**Service Weblink** <http://ts.fujitsu.com/Supportservice>



#### FUJITSU PLATFORM SOLUTIONS

In addition to Fujitsu LIFEBOOK E780, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

##### Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

##### Computing Products

[www.fujitsu.com/global/services/computing/](http://www.fujitsu.com/global/services/computing/)

##### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

#### MORE INFORMATION

Learn more about Fujitsu LIFEBOOK E780, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. <http://ts.fujitsu.com/mobile>

#### FUJITSU GREEN POLICY INNOVATION

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



#### COPYRIGHTS

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see [http://ts.fujitsu.com/terms\\_of\\_use.html](http://ts.fujitsu.com/terms_of_use.html)  
Copyright © Fujitsu Technology Solutions

#### DISCLAIMER

Technical data are subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner

#### CONTACT

FUJITSU Technology Solutions  
Website: <http://ts.fujitsu.com>  
2010-05-04 CE-EN