

# DATA SHEET

## LIFEBOOK P3110

Small, elegant and energy-efficient

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Travel, work and communicate in style with the portable LIFEBOOK P3110. Constructed from environmentally friendly components with an ultra-low-voltage Intel® processor, high-resolution 29.5 cm (11.6-inch) LED screen and ENERGY STAR® 5.0 rating, this notebook makes green the new black. Extra-long battery life (approx. 6 hours) means you can take your notebook with you all day long and communicate, wherever you are. Weighing only 1.6 kg, with built in WLAN, Bluetooth and optional UMTS, the LIFEBOOK P3110 is your ultimate interaction companion. Demand attention with colorful, high-gloss, scratch-proof lacquer coatings. Your notebook can be as individual as you are.

### Processor technology:

- Energy-saving Intel® Ultra Low Voltage processor technology for a thin and light notebook design and enhanced battery life

### Responsibility

- ENERGY STAR® 5.0 compliant

### Mobility

- Ultra-mobile and solid design – without any compromise on mobility
- 29.5 cm (11.6-inch) HD display with LED backlight and BrilliantView technology, perfect for outdoor use
- Small size (285 x 209 x 26.4 / 30.2 mm) and lightweight (~ 1.6 kg)
- 6-cell battery for an extended battery life of up to 6 hours

### Multimedia and Entertainment

- Integrated 1.3 megapixels webcam and built-in digital microphone are perfect for video conferencing and Internet telephony (VoIP)
- Optical disc drive sharing function: share the ODD of any device via LAN / WLAN

### Unlimited Connectivity

- Optional with embedded UMTS, so go online anytime and anywhere, even when the nearest hot spot is out of reach
- Surf the Internet and check your e-mails on the move thanks to the integrated pre-n Wireless LAN (up to 300 M/bits)
- Synchronize the calendars of your LIFEBOOK P3110 and your mobile phone via Bluetooth® connection
- 4-in-1 card reader for easy access to pictures, movies and more
- 3x USB 2.0 ports for UMTS sticks or any other kind of accessories

### Accessories (optional)

- Optical disc drive with Nero software suite for DVD playback and CD/DVD burning



## TECHNICAL DETAILS

### LIFEBOOK P3110

#### Components

<b>Processor</b>	Intel® Core™2 Duo, SU7300 (1.3 GHz, 3 MB 2 <sup>nd</sup> level cache, 800 MHz FSB, 10 W) Intel® Pentium® SU4100 (1.3 GHz, 2 MB 2 <sup>nd</sup> level cache, 800 MHz FSB, 10 W) Intel® Celeron® 743 (1.3 GHz, 1 MB 2 <sup>nd</sup> level cache, 800 MHz FSB, 10 W)
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#### Memory modules

<b>RAM modules</b>	2 GB (1 module(s) with 2 GB, DDR2), 800 MHz 4 GB (2 module(s) with 2 GB, DDR2), 800 MHz
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<b>Supported capacity RAM (min.)</b>	2 GB
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<b>Supported capacity RAM (max.)</b>	4 GB
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<b>Memory slots total</b>	2
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<b>Memory slot type</b>	SO DIMM (DDR2, 800 MHz)
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<b>Hard disk drives (internal)</b>	320 GB, 5400 rpm, SATA, HDD cache: 8 MB, 2.5-inch, S.M.A.R.T 500 GB, 5400 rpm, SATA, HDD cache: 8 MB, 2.5-inch, S.M.A.R.T
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<b>Hard disk notes</b>	Hard disk capacity depends on exact configuration. Please check at your local retailer. One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.
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#### Display

<b>Diagonal Size</b>	29.5 cm (11.6-inch)
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<b>Display Resolution Type</b>	TFT HD
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<b>Resolution (native)</b>	1366 x 768 pixel
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<b>Aspect ratio</b>	16:9
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<b>Display Type</b>	LED backlight, BrilliantView
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<b>Reaction time</b>	9 ms
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<b>Brightness typical</b>	200 cd/m <sup>2</sup>
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<b>Contrast typical</b>	300 : 1
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#### Battery

<b>Battery type</b>	Li-Ion battery 6-cell
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<b>Battery voltage</b>	10.8 V
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<b>Battery capacity</b>	5200 mAh
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<b>Battery runtime</b>	Up to 6:30 hours
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<b>Battery charging time (off mode)</b>	Up to 3:00 hours
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<b>Battery notes</b>	Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time varies depending on usage. The recharge capacity may decrease after some months so that the battery lifetime as well as operating time can not be assured for the whole lifetime of the notebook. Battery runtime tested with MobileMark2007 (Productivity Workload)
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#### LIFEBOOK P3110

#### Operating system

<b>Operating system compatible</b>	Genuine Microsoft® Windows® 7 Professional (32-bit) Genuine Microsoft® Windows® 7 Home Premium (32-bit)
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<b>Recovery application</b>	Recovery media and Drivers and Utility on CD or DVD are included (optional)
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<b>Drivers</b>	Updates are downloadable at <a href="http://ts.fujitsu.com/support">http://ts.fujitsu.com/support</a>
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<b>Operating system notes</b>	Genuine Microsoft® Windows® 7 Professional option only for Intel® Core™2 Duo or Intel® Celeron® processor
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## Product design

<b>Color</b>	Glossy black, rubin red or silver all with high-gloss material finish
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## General system information

<b>System architecture</b>	Intel® Centrino® 2 processor technology (optional, with Intel® Core™ 2 Duo processor)
<b>Chipset</b>	Intel® GS45 + ICH9-M-SFF-E

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## Graphics

<b>Onboard graphics processor</b>	Intel® Graphics Media Accelerator 4500MHD
<b>Shared video memory</b>	Up to 1759 MB
<b>Max. resolution external display</b>	1600 x 1200 pixel
<b>Graphic features</b>	DirectX® 10.1 support – for stunning 3D graphics and shading effects
<b>Graphic notes</b>	2048 MB system memory enables up to 765 MB total video memory (dedicated plus shared memory) 4096 MB system memory enables up to 1759 MB total video memory (dedicated plus shared memory)

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## Interfaces

<b>DC-in</b>	1
<b>Audio: line-in / microphone</b>	1
<b>Audio: headphone out</b>	1
<b>Internal microphones (digital)</b>	1
<b>USB 2.0 total</b>	3
<b>VGA</b>	1
<b>Ethernet (RJ-45)</b>	1
<b>Memory card slots</b>	1x 4-in-1 card reader (supported formats: SD, MS, MS Pro, MMC)
<b>Kensington Lock support</b>	1

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## Communication

<b>Bluetooth (integrated)</b>	v2.1 + EDR (Enhanced Data Rate)
<b>LAN type</b>	Ethernet (10/100)
<b>WLAN</b>	Built-in WLAN (Wireless Local Area Network)

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### WLAN (optional)

<b>WLAN name</b>	Pre-n WLAN (IEEE 802.11b/g/pre-n)
<b>WLAN antennas</b>	2
<b>WLAN max. data rate</b>	up to 300 Mbit/s
<b>WLAN encryption</b>	WEP, WPA, WPA2
<b>WLAN notes</b>	For use in: BE, CH, DK, DE, EE, FI, FR, EL, IE, IS, IT, LI, LV, LT, LU, MT, NL, NO, PL, AT, PT, SE, SK, ES, CZ, HU, UK, CY

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### UMTS (optional)

<b>UMTS name</b>	Gobi 2000 (HSDPA/HSUPA downlink 7.2 MBit/s, uplink 5.76 MBit/s)
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## Audio

<b>Audio type</b>	onboard
<b>Audio codec</b>	RealTek ALC269Q-GR
<b>Audio features</b>	Support of high-definition audio 2x built-in stereo speakers Built-in microphone Sound volume control via function key (Down: Fn+F8; Up: Fn+F9)

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## Webcam

<b>Camera</b>	1.3 megapixel webcam
<b>Camera notes</b>	Webcam frame rate can vary significantly depending on the used software application.

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## Input devices / Control buttons

Power button	Above keyboard
Number of keyboard keys	85
Key pitch / stroke	19.5 mm / 1.8 mm
Input devices	Touchpad with left and right mouse button, touchpad disable function via function key combination Fn + F4

## Hot keys

Hot key Fn+F3	Mute on / off
Hot key Fn+F4	Touchpad on / off
Hot key Fn+F6	Brightness down
Hot key Fn+F7	Brightness up
Hot key Fn+F8	Volume down
Hot key Fn+F9	Volume up
Hot key Fn+F10	Display switch
Hot key Fn+F11	ECO button

## Status indicators

Status indicators	The notebook has 5 status LEDs: Power LED Battery status HDD access CapsLock NumLock
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## Power supply

AC adapter	19 V / 60 W (3.16 A)
Rated voltage range	100 – 240 V (AC input)
Rated frequency range	50 – 60 Hz
Battery features	Dynamic charge supported (rapid charge)

## ACPI functions

ACPI functions	Power on standby (S1 LCD off) Stand by / energy saving mode (S3 save to RAM) Hibernate mode (S4 save to disk) Off mode (S5 soft off)
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## Energy consumption

S0 (idle mode)	tbc W
S0 (max. active mode)	tbc W
S3 (save to RAM, standby mode)	tbc W
S4 (save to disk, hibernate mode)	tbc W
S5 (off mode)	tbc W
Energy consumption notes	Tested according to ISO 7779 and ISO 9296

## Noise emission

Idle mode	30.0 dB(A)
Max. active mode	38.4 dB(A)
Noise notes / description	Tested according to ISO 7779 and ISO 9296

## Dimensions / Weight / Environmental

Dimension (W x D x H)	285 x 209 x 26.4(front) / 30.2 (back) mm
Weight	Approx. 1.6 kg (with 6-cell battery)
Weight notes	Weight may vary depending on actual configuration
Operating ambient temperature	Running: 5 – 35°C; Packed -15 – 60°C

<b>Operating relative humidity</b>	Running: 20 – 85%; Packed: 8 – 85% (relative humidity, non-condensing)
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## Compliance

<b>Europe</b>	CE Marking R&TTE (WLAN, Bluetooth)
<b>Global</b>	ENERGY STAR® 5.0 WiFi certified RoHS (Restriction of hazardous substances)
<b>Russia</b>	GOST
<b>Compliance link</b>	<a href="https://sp.ts.fujitsu.com/sites/certificates/default.aspx">https://sp.ts.fujitsu.com/sites/certificates/default.aspx</a>

## Application software

<b>Home office software</b>	Microsoft® Office Ready (60-day trial version for Microsoft® Office Professional software package) Adobe Acrobat Reader
<b>Multimedia software</b>	Windows Media Center edition - Share and stream media easily in your home network - Organize media (videos, music, pictures) - Watch and record TV shows (For certain aspects of Windows Media Center functionality, a TV tuner and additional hardware may be required. To watch Internet TV, Internet access is required. Free Internet TV content varies by geography. Some content may require additional fees.) CyberLink YouCam (software for integrated webcam) Optical disc drive sharing function
<b>Internet software</b>	Microsoft® Internet Explorer Country specific internet provider
<b>Security software</b>	Symantec Norton Internet Security (90-day trial version)

## Security

<b>Physical security</b>	Kensington Lock support Lid switch (hidden)
<b>User security</b>	User and supervisor password

## Warranty

<b>Standard Warranty</b>	1 year / 2 years (depending on country)
<b>Service Level</b>	Collect & Return Service / Bring in (depending on country specific requirements)

## Maintenance and Support Services – the perfect extension

<b>Recommended Service</b>	3 years, Collect & Return Service
<b>Spare parts availability</b>	3 years
<b>Service Weblink</b>	<a href="http://ts.fujitsu.com/Supportservice">http://ts.fujitsu.com/Supportservice</a>

## Accessories

<b>Accessories included</b>	AC Adapter 60 W First Battery (6-cell) Manuals (manual on hard disk, quick start guide, safety manual, warranty flyer, recovery Guide (optional))
<b>Accessories (optional)</b>	Optical disc drive (USB; order number: S26391-F7119-L100)
<b>Accessories link</b>	<a href="http://ts.fujitsu.com/accessories">http://ts.fujitsu.com/accessories</a>

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