

## LIFEBOOK T4220

### Turn your head.

Issue March 2008

Pages 5

**Start the new generation of ultra mobile notebooks, now!**

With the LIFEBOOK T4220 you can enjoy the whole functions of a fully featured powerful notebook and Tablet PC in one device. Share your ideas in the next meeting by rotating the display 180 degrees in both directions and add personal notes to your presentations thanks to the active digitizer.

The new and powerful Intel® Centrino® Duo processor technology with the latest Intel® 965GM chipset plus optional Intel® Turbo Memory gives you the freedom of a power socket for the business-day. Embedded UMTS, Bluetooth, IrDA and WLAN ensure wireless connectivity anytime and anywhere.

The smart worker will enjoy the outstanding connectivity of the LIFEBOOK T Series – UMTS option, WLAN, IrDA, and Bluetooth.

## Mobility

### Convenient to carry

- Slim, stylish and innovative design for every profile - for working while standing or walking
- Low weight notebook with only 1.9 kg
- Protective bag

### Ergonomics and flexibility outside the office

- Just rotate the display 180 degrees (both directions) and your notebook turns into a tablet pc: enjoy the advantages of pen functionality
- Comfortable usage with the pen functionality in all modes with Microsoft, Windows Vista® Business
- Enjoy the viewing quality of AnyLight display (brilliant active digitizer TFT-Glare display)
- Excellent resolution and video quality with integrated Intel chipsets
- Intel® Turbo Memory-module (1 GB) optional available
- Modular bay fitting an extra optical drive, hard disk drive or battery for highest flexibility
- Full sized keyboard for convenient typing

### Ideal connectivity on the road and in the office

- Ideal connectivity through optional embedded UMTS, Wireless LAN, IrDA and Bluetooth
- Power-saving Intel® Centrino Core™ 2 Duo support for long independent working
- Small and lightweight Port Replicator optional for easy connection to all your peripherals

### Security to protect for your sensible data on the move

- Easy and secure access and data protection for your business intelligence
- Trusted platform module (TPM) provides secure applications and makes transaction trustworthy
- Built-in SmartCard reader protects your data in case of losing your LIFEBOOK T4220

### Robustness on the run

- Integration of Japan's innovation and Germany's quality standards for highest reliability
- Award-winning best-in-class manufacturing
- Highest quality design with innovative hinge technology
- Mechanical and function stability through extensive quality tests
- Your choice of supply concept for in-time and tailored delivery: value4you, made4you

  
Windows Vista®  
Business



System	LIFEBOOK T4220
<b>Intel® Core™ 2 Duo Processor</b>	T9500 (2.6 GHz) T9300 (2.5 GHz) T8100 (2.1 GHz) T7700 (2.4 GHz) T7500 (2.2 GHz) T7300 (2.0 GHz) T7100 (1.8 GHz)
Second level cache	2 MB (T7100) / 3 MB (T8100) / 4 MB (T7700, T7500, T7300) / 6MB (T9500, T9300)
Front side bus (FSB)	800 MHz
Intel® Celeron® Processor 550 (2GHz, FSB 533MHz, L2 Cache Size 1MB)	for Projects only
<b>Chipset</b>	
Northbridge	Intel 965GM
Southbridge	ICH8M (Santa Rosa)
<b>Memory</b>	
DDR2-667 SDRAM, 667 MHz, Dual channel support	up to 4GB
DIMM slots	2
<b>BIOS</b>	
BIOS Flash EPROM	Phoenix TrustedCore Notebook
<b>Intel® Turbo Memory</b>	None/1GB
<b>Interfaces</b>	
Infrared link (Fast IrDa 1.1, 4 Mbps)	1
PCMCIA, Type I/II PC x 1slots, Card Bus	1
External CRT	1
SmartCard reader	1
Memory card slot (SD)	1
USB 2.0	3
VGA	1
Modem RJ-11 (only non UMTS version)	1
LAN RJ-45	1
Audio-in (line-in / microphone)	1
Audio-out (line-out / headphone)	1
DC-in	1
Kensington Lock	2
Docking connector for Port Replicator	1
<b>Port Replicator interfaces (optional):</b>	
USB 2.0	4
VGA	1
DVI-D	1
LAN RJ-45 (pass through)	1
DC-in	1
Headphone	1
Power on switch	1
<b>Modem on board</b>	
56K V.92 modem MDC1.5	1 (w/o UMTS)
<b>LAN on board</b>	
built-in 10/100 Mbps Realtek 8100C	
built-in 10/100/1000 Mbps Marvell 88E8055	x
<b>Wireless Technologies (WLAN)</b>	
Import and usage according to country-specific regulations.	
Dual band antenna (UMTS version)	x
Three band diversity antenna (W/o UMTS)	x
Intel PRO/Wireless 4965 a/g/n 13channel	optional
Atheros Minicard b/g 802.11 b/g 13channel	optional
WiFi certified	x
<b>UMTS</b>	
Integrated UMTS (HSDPA 3.6 Mb/s), supports GPRS and EDGE, Sierra Wireless MC8780 (Data only; sep. antenna)	Optional (w/o Modem)
<b>Bluetooth</b>	
Bluetooth 2.0	optional, with separate antenna
<b>Audio</b>	
Controller Chip	ALC262
Wavetable	x
Stereo speakers	x
Internal microphone	X2 (dual ,digital, mono)
Noise/echo cancellation	x (Vista tandard)
<b>Keyboard and pointing device</b>	
Keyboard	Spill proof keyboard, 85 keys, 19mm key pitch, 2.7mm key stroke
Synaptic Touchpad	with two mouse buttons and one scroll button
Fingerprint sensor	x
Launch keys (programmable)	2
Status LCD (status panel)	X
Status LED	x
Application Button	x, Tablet button
Screen rotation button	x

System	LIFEBOOK T4220
<b>Graphics</b> Intel GMA X3100 with 256-bit graphics core with dynamic video memory technology up to 384 MB, 32-bit color depth 3D Accelerator AGP Support Direct X9 Direct X10 Pixelshader 2.0 DualView	x x x x tbd X X
<b>AnyLight Glare Display (inbdoor/outdoor)</b> 12.1-inch TFT XGA / 1024 x 768 pixel Active Digitizer Wide Viewing Angle Anti-reflective coating	x x X X
<b>Hard disk drives (internal) *</b> S.M.A.R.T. 80 GB S-ATA 150 (5400 rpm) 120 GB S-ATA 150 (5400 rpm) 160 GB S-ATA (7200 rpm) 64 GB Solid State Disk ShockSensor for HDD protection	X X X X X X
* 1 GB equals one billion bytes, when referring to hard disk drive capacity; accessible capacity may vary, also depending on used software and tool. ** for made4you customizing projects only	
<b>Modular Drives</b> DVD-RW Dual Double Layer Super Multi  More information in specific Data Sheet: <a href="http://www.fujitsu-siemens.com/optical_drives/">http://www.fujitsu-siemens.com/optical_drives/</a>	X
<b>Manageability</b> <b>DeskView 10.6</b> On/Offline remote client management Detailed system inventory management and reports BIOS Management Power Management System notifications Security Remote Control Helpdesk Integration WoL (wake on LAN) <b>DeskUpdate</b> Driver Management <b>DeskView Migrate</b> Software Deployment and Migration Suite <b>DeskView Control</b> Advanced Hard-and Software Inventory Suite	x x x x x x x x x x x x optional optional
<b>Supported Standard</b> WMI / CIM / WBEM PXE BootP	x x optional
<b>Security</b> <b>Physical security</b> Kensington Lock support <b>System Security</b> Trusted Platform module 1.2 Disable/Hide TPM option Norton Internet Security <b>User Security</b> User and supervisor BIOS password SystemLock BIOS SmartCard security Hard disk password Integrated Fingerprint Sensor Integrated SmartCard slot	x x x x x x x x x
<b>Power supply</b> 1 <sup>st</sup> Li-Ion battery 6 cell 5200mAh (56.16 Wh) 2 <sup>nd</sup> Li-Ion battery 6 cell 3800mAh (41Wh) (Option) Battery runtime:  First battery* (Mobile Mark 2002) [up to]  First + second battery * (Mobile Mark 2005, XP only) AC adapter 19V/80W Adapter Rated voltage (AC input) 100 - 240 V Rated frequency 50 - 60 Hz DC output 19 V, 4.22 A Dynamic charge supported (rapid charge) * Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time depends on usage.	x x  up to 7,4 h  up to 13,2 h  X  X

System	LIFEBOOK T4220
<b>Operating temperatures</b> Relative humidity (non-condensing) Ambient temperature	20% - 85% (running) 5° - 35° C
<b>Dimensions / Weight</b> Dimensions (H x W x D)  Weight*  * Weight may vary depending on actual configuration	36.5-37,5 x 295 x 244 < 2 kg (incl. main battery, weight saver) < 2.2 kg (incl. main battery, optical drive) < 2.3 kg (incl. main battery, second battery)
<b>Certificates</b> CE Marking CE according to EU Directives 89/336/EEC (EMC) 73/23/EEC (Product safety) CE! (Wireless) CE (Emission/Immunity) R&TTE UL/cUL CB Generic Report CB (Safety) RoHS WHQL TBR21 WiFi certified	X X x (with integrated WLAN) X X X X X X X X X X
<b>Operating System</b> <b>Fujitsu Siemens Computers recommends</b> <b>Microsoft® Windows® XP Professional</b> <b>Operating System</b> <b>Fujitsu Siemens Computers recommends</b> <b>Windows Vista®</b> Microsoft Windows XP Professional Tablet PC Edition 2005, Windows Vista® Business	Driver support only X
<b>Software</b> (compatibility / preinstalled) Adobe Acrobat Reader Button Utility Windows Vista® recovery media Driver and Utility DVD (DUDVD) Easy Guide on-line user documentation Nero Essentials Norton Internet Security (incl. Firewall) on DUDVD SmartCase Logon+ Toshiba Bluetooth Stack UMTS watcher	x x optional (extra order number) optional x x x x x x optional with UMTS
<b>Accessories</b> screen protectors Port Replicator Additional AC-adaptor Additional main battery Second battery Optional optical drives Optional second HDD Battery charger 12/24 V adapter for cars and planes  <a href="http://www.fujitsu-siemens.com/accessories/">http://www.fujitsu-siemens.com/accessories/</a>	x x x (19V) 6 cell 6 cell (bay device) x (bay device) x (bay device) x (digital interface) x
Spare part availability	5 years