

## ESPRIMO Mobile D9510

### Mobile power for your requirements

Issue: December 2008

Fujitsu Siemens Computers is the leading European IT manufacturer. With a strategic focus on innovative mobility and the dynamic data center, we offer a unique range of products and services from notebooks and desktops to servers and IT infrastructure solutions. Famous German engineering and exceptional in-house quality testing capabilities in our test centers ensure extraordinary product quality and reliability across all product lines.

#### ESPRIMO Mobile D9510

Do you require constant access to your data and an ergonomic display? The ESPRIMO Mobile D9510 is ready for any challenge thanks to its state-of-the-art Intel® Centrino® 2 processor technology. The 15.4-inch display enable ergonomic working, whether you are in the office or travelling. Connectivity is ensured via a large number of interfaces and optional UMTS/HSDPA. With its new clear-line design the ESPRIMO Mobile D9510 fits perfectly into your office environment.

#### Ergonomic working

Relaxed easy working throughout the day.

- 15.4-inch WXGA or WXGA+ display, ergonomic keyboard with touchpad and optional touchstick

#### Maximum connectivity

High performance, connectivity and a selection of classic and new interfaces enable constant data access and high-level productivity.

- Intel® Centrino® 2 processor technology, parallel and serial interface, E-SATA and optional WLAN, Bluetooth, UMTS

#### Long-term availability

Suit your systems to your requirements, even during a long "roll-out" phase.

- Freely-configurable entry notebook with reliable product availability of 12 to 18 months

#### Great flexibility

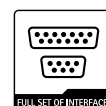
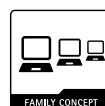
The family concept offers standardized accessory components for the ESPRIMO Mobile U, M, D, X series.

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

#### Maximum security

Protect your company data against unauthorized third-party access.

- Integrated SmartCard reader, optional TPM module and SmartCase Logon+



## Components

<b>Processor</b>	Intel® Core™2 Duo T9600 (2.8 GHz, 6 MB, 1066 MHz) Intel® Core™2 Duo T9400 (2.53 GHz, 6 MB, 1066 MHz) Intel® Core™2 Duo P8600 (2.4 GHz, 3 MB, 1066 MHz) Intel® Core™2 Duo P8400 (2.26 GHz, 3 MB, 1066 MHz) Intel® Celeron® 585 (2.16 GHz, 1 MB, 667 MHz)
<b>Memory modules</b>	2 GB (1 module(s) with 2 GB, DDR3), 1066 MHz 1 GB (1 module(s) with 1 GB, DDR3), 1066 MHz
<b>Hard disk drives (internal)</b>	320 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T. 160 GB, 7200 rpm, SATA, 2.5-inch S.M.A.R.T. 160 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T. 120 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T.
Hard disk notes	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 and tool
<b>Display</b>	15.4-inch TFT 1440 x 900 pixel (WXGA+) 15.4-inch TFT 1280 x 800 pixel (WXGA)
<b>WLAN (optional)</b>	Atheros Minicard b/g 802.11 b/g Intel® Wireless WiFi Link 5300 AGN 11/13ch
<b>UMTS/HSUPA (optional)</b>	Option GTM 382 (downlink 7.2 MBit/s, uplink 2.0 MBit/s)
<b>Bluetooth</b>	Bluetooth 2.1
<b>Modular bay options</b>	2nd battery 2nd hard disk drive DVD Super Multi Weight saver
<b>Base unit</b>	<b>ESPRIMO Mobile D9510</b>
<b>General system information</b>	
Chipset	Intel® GM45, ICH 9-M
BIOS features	BIOS based on Phoenix TrustedCore Notebook
Memory slots	2 DIMM (DDR3)
Turbo memory	Optional 4 GB
Supported capacity RAM (max.)	4 GB
Memory notes	8 GB - with future memory models.
<b>Interfaces</b>	
Memory card slots	1 (SD/MMC/MS/MSPPro/XD)
ExpressCard slots	1
PC Card slot (Type I/II)	1
SIM card slot	1
Modem (RJ-11)	Optional
eSATA & USB combo	1
USB 2.0 total	4
FireWire (IEEE1394)	1
Serial (RS-232)	1
Parallel	1
VGA	1
Ethernet (RJ-45)	1
DC-in	1
Audio: line-in / microphone	1
Audio: line-out / headphone	1
Internal microphones	2
Docking connector for Port Replicator	1
Kensington Lock support	1
<b>Wired communication</b>	
Modem type	Optional: 56 K V.92 modem MDC1.5
LAN	Built-in 10/100/1000 MBit/s Intel® 82567LF
<b>Wireless technologies</b>	
Antennas	3 Dual band WLAN antennas, 2 UMTS antennas
WLAN notes	Import and usage according to country-specific regulations.
UMTS	Optional
<b>Keyboard and pointing devices</b>	
	Spill-proof keyboard Number of keyboard keys: 86, Keyboard pitch: 19 mm, Keyboard stroke: 2,7 mm TouchPad with two mouse buttons Second set of mouse buttons Application buttons
<b>Input devices (optional)</b>	Optional: TouchStick
<b>Multimedia</b>	
Audio type	On board
Audio codec	Realtek ALC262

<b>Multimedia</b>	
Audio features	Stereo speakers, Internal microphone (array)
Camera	Optional: Built-in ConfCamera, 1.3 megapixel, VGA camera
<b>Graphics</b>	
max. resolution external display	1920 x 1200 / true color / 85 Hz
Graphics brand name	Mobile Intel® GMA 4500M HD
Graphic features	DualView (Windows XP & Windows Vista)
<b>Power supply</b>	
AC adapter	20 V / 90 W (4.5 A)
Rated voltage range	100 - 240 V (AC Input)
Rated frequency range	50 - 60 Hz
1st battery	Li-Ion battery 6-cell, 5200 mAh, 57 Wh
2nd battery	Li-Ion 6 cell, 3800 mAh, 42 Wh
Battery features	Dynamic charge supported (rapid charge)
Runtime 1st battery	up to 5:30 h
Runtime 1st + 2nd battery	up to 9:30 h
Battery notes	Disclaimer: Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time depends on usage.
<b>Dimensions / Weight / Environmental</b>	
Dimension (W x D x H)	363 x 260 x 39 mm
Weight	2.7 kg
Weight notes	Weight may vary depending on actual configuration.
Operating ambient temperature	5 - 35°C
Operating relative humidity	20 - 85 % (running)
<b>Operating system</b>	
Operating system optional preinstalled	Microsoft® Windows Vista® Home Basic Microsoft® Windows Vista® Business 32bit TwinLoad Microsoft® Windows® XP Professional (DVD)
Operating system compatible	Microsoft® Windows® XP Professional
Operating system notes	Driver support for Microsoft Windows XP
<b>Additional Software</b>	
Additional software (preinstalled)	Adobe Acrobat Reader Camera EasyGuide online user documentation Nero Essentials (burning software) Norton Internet Security (incl. Firewall) on Drivers & Utilities DVD for Microsoft Windows XP Drivers & Utilities DVD (DUDVD) Toshiba Bluetooth Stack Mobile Software Suite: Application Button Utility Wireless Selector Utility ShockSensor Utility Fan Control Utility Power Saving Utility
Additional software (optional)	Windows Vista® recovery media Drivers & Utilities DVD (DUDVD) UMTS connection manager (optional with UMTS) DVD playback software
<b>Manageability</b>	
Manageability features	DeskUpdate Driver management DeskView Migrate (optional) DeskView Control (optional)
Manageability type	DeskView 10.x client management including:
DeskView features	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)
Supported standards	PXE BootP (made4you) WMI
Manageability link	<a href="http://www.fujitsu-siemens.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html">http://www.fujitsu-siemens.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html</a>
<b>Security</b>	
Physical security	Kensington Lock support
System security	Optional: Trusted platform module (TPM 1.2) Symantec Norton Internet Security (90 day test version)
User security	Hard disk password User and supervisor BIOS password Separate SmartCard slot SystemLock 2 BIOS SmartCard Security Integrated Fingerprint Sensor (for projects only)

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**Compliance**

Europe	CE CE!
USA/Canada	FCC Class B (Depending on wireless configuration) UL cUL
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Energy Star 4.0 Microsoft Operating Systems (HCT / HCL entry / WHQL) WiFi certified
Compliance link	<a href="https://sp.fujitsu-siemens.com/sites/certificates/default.aspx">https://sp.fujitsu-siemens.com/sites/certificates/default.aspx</a>

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**Portreplicator interfaces (optional)**

DC-in	1
Power on switch	1
Headphones	1
Microphones	1
USB 2.0 total	4
VGA	1
DVI	1, DVI-D single link, maximal resolution 1920 x 1200 pixel (WUXGA)
Serial (RS-232)	1
Mouse / Keyboard (PS/2)	1
Ethernet (RJ-45)	1
Parallel	1
Kensington Lock support	2
eSATA	1

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**Warranty**

Standard Warranty	1 year
Service level	Collect & Return Service / Bring-In Service (depending on country)

**Maintenance and Support Services - the perfect extension**

Recommended Service	3 years, On-site Service
Spare Parts availability	5 years
Service Weblink	<a href="http://www.fujitsu-siemens.com/Supportservice">www.fujitsu-siemens.com/Supportservice</a>

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