Fujitsu recommends Windows 8 Pro.

Data Sheet
Fujitsu CELSIUS H910
Mobile Workstation

High-End Workstation Power on-the-Go

If you need ultimate workstation performance in a notebook form-factor, the Fujitsu CELSIUS H910 is an ideal choice. This individually configurable workstation, comprehensively certified for leading ISV applications, helps you maintain an efficient workflow wherever you are. Your productivity is increased by instant network access thanks to multiple embedded connectivity features. A range of hardware protection and software security features provide additional peace of mind.

High-end workstation performance
Highest productivity thanks to mobile workstation performance
- Have a choice of ultra high-end or high-end professional NVIDIA® Quadro® graphics with up to 384 CUDA cores; boost productivity with second generation Intel Core™ i7 Extreme processors with vPro™ technology

Superior performance and reliability
Higher productivity and speed thanks to larger screen and second HDD
- 43.9 cm (17.3-inch) Full HD LED backlight display and RAID 0 support with integrated second HDD

Unlimited connectivity
Online anywhere, anytime
- Optional integrated WLAN, 3G/UMTS and Bluetooth®

Ultimate security
Protect your data from non-authorized access
- Integrated SmartCard reader and fingerprint sensor

ISV certification
Excellent performance and absolute stability in professional environments
- Comprehensive certification for workstation applications under Microsoft® Windows 7
## Components

### Processor
- Intel® Core™ i7-2860QM processor (2.5 GHz, 8 MB)
- Intel® Core™ i7-2640M processor (2.8 GHz, 4 MB)
- Intel® Core™ i5-2540M processor (2.60 GHz, 3 MB)
- Intel® Core™ i5-2520M processor (2.50 GHz, 3 MB)
- Intel® Core™ i7/i5 processor with vPro™ technology
- Intel® Core™ vPro™ Processor - Best Platform for Businesses of all sizes

### Operating systems
- **Operating system**: Windows® 7 Professional 64-bit
- **Operating system compatible**: Windows® 7 Professional 32-bit, Windows® 7 Professional 64-bit, Windows® XP Professional x64 Edition

### Operating system notes
- Driver support for Microsoft® Windows® XP Professional / 7 Professional

### Graphics add on cards (optional)
- High-end 3D: NVIDIA® Quadro® 3000M, 240 cores
- High-end 3D: NVIDIA® Quadro® 4000M, 336 cores
- Ultra-high-end 3D: NVIDIA® Quadro® 5010M

### Memory modules
- 2 GB (1 module(s) 2 GB) DDR3, 1333 MHz, PC3-10600, SO DIMM
- 4 GB (1 module(s) 4 GB) DDR3, 1333 MHz, PC3-10600, SO DIMM
- 8 GB (1 module(s) 8 GB) DDR3, 1333 MHz, PC3-10600, SO DIMM

#### Base unit memory
- **CELSIUS H910 2 Core**
  - Supported capacity RAM (min.): 2 GB
  - Supported capacity RAM (max.): 16 GB
  - Memory slots total: 2
  - Memory slot type: DIMM (DDR3)

- **CELSIUS H910 4 Core**
  - Supported capacity RAM (min.): 4 GB
  - Supported capacity RAM (max.): 32 GB
  - Memory slots total: 4

### Hard disk drives (internal)
- 2x SSD SATA, 512 GB, 2.5-inch, FDE
- 2x HDD SATA, 7200 rpm, 500 GB, 2.5-inch, S.M.A.R.T.
- 1x SSD SATA, 256 GB / 1x HDD SATA, 7200 rpm 500 GB, S.M.A.R.T.
- 1x SSD SATA, 128 GB / 1x HDD SATA, 7200 rpm 750 GB, S.M.A.R.T.
- 1x SSD SATA III, 128 GB / 1x HDD SATA, 7200rpm 500 GB, S.M.A.R.T.
- 1x SSD SATA, 128 GB / 1x HDD SATA, 7200 rpm 500 GB, S.M.A.R.T.
- SSD SATA, 512 GB, 2.5-inch, FDE
- SSD SATA III, 256 GB, 2.5-inch
- SSD SATA, 256 GB, 2.5-inch, FDE
- SSD SATA III, 128 GB, 2.5-inch
- SSD SATA, 128 GB, 2.5-inch, FDE
- HDD SATA, 7200 rpm, 500 GB, 2.5-inch, S.M.A.R.T.
- HDD SATA, 5400 rpm, 320 GB, 2.5-inch, S.M.A.R.T., FDE
- HDD SATA, 5400 rpm, 320 GB, 2.5-inch, S.M.A.R.T.
- HDD SATA, 5400 rpm, 320 GB, 2.5-inch, S.M.A.R.T. (Windows® XP optimized)

### 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.

### WLAN (optional)
- Intel® Centrino® 6205 802.11 a/b/g/n

### Wireless technologies
- **Antennas**: 2 Dual band WLAN antennas, 2 UMTS antennas
- **WLAN notes**: Import and usage according to country-specific regulations.
- **3G/4G (optional)**: Sierra Wireless Gobi 3000 (Downlink speed 14.4 Mbit/s, Uplink speed 5.76 Mbit/s)
### Bluetooth (optional)
- Bluetooth 3.0

### Display
- 43.9 cm (17.3-inch), LED backlight, (Full HD), Anti-glare display, 1920 x 1080 pixel

### Optical drives
- Blu-ray Disc™ Triple Writer
- DVD Super Multi

### Base unit
- CELSIUS H910 2 Core
- CELSIUS H910 4 Core

### General system information

#### Chipset
- Intel® QM67

#### BIOS features
- BIOS based on Phoenix SecureCore

### Graphics

#### Base unit
- CELSIUS H910 2 Core
- CELSIUS H910 4 Core

#### Max. resolution external display
- 2560 x 1600 pixel via DisplayPort and Dual Link DVI
- 2560 x 1600 pixel via DisplayPort and Dual Link DVI
- 2560 x 1600 pixel via DisplayPort and Dual Link DVI
- 2560 x 1600 pixel via DisplayPort and Dual Link DVI

#### Graphics brand name
- NVIDIA® Quadro® 3000M, NVIDIA® Quadro® 4000M, NVIDIA® Quadro® 5010M
- NVIDIA® Quadro® 3000M, NVIDIA® Quadro® 4000M, NVIDIA® Quadro® 5010M

#### Graphics features
- DualView
- DualView
- DualView
- DualView

#### Graphics card notes
- NVIDIA® Quadro® 3000M: 240 cores, NVIDIA® Quadro® 4000M: 336 cores, NVIDIA® Quadro® 5010M: 384 cores
- NVIDIA® Quadro® 3000M: 240 cores, NVIDIA® Quadro® 4000M: 336 cores, NVIDIA® Quadro® 5010M: 384 cores
- NVIDIA® Quadro® 3000M: 240 cores, NVIDIA® Quadro® 4000M: 336 cores, NVIDIA® Quadro® 5010M: 384 cores

#### Dedicated video memory
- 2 GB (GDDR3 VRAM)
- 2 GB (GDDR3 VRAM)
- 2 GB (GDDR3 VRAM)
- 2 GB (GDDR3 VRAM)

### Interfaces

#### DC-in
- 1

#### Audio: in
- 1

#### Audio: out
- 1

#### Internal microphones
- 1 digital array microphone

#### USB 2.0 total
- 3

#### USB 3.0 total
- 1

#### VGA
- 1

#### DisplayPort
- 1

#### Ethernet (RJ-45)
- 1

#### Kensington Lock support
- 1

#### Memory card slots
- 1 (SD/MS/MSPro)
- 1 (SD/MS/MSPro)

#### Express card slots
- 1 (34/54 mm)

#### SmartCard slot
- 1

#### SIM card slot
- 1

#### eSATA
- 1

### Wired communication

#### LAN
- 10/100/1000 MBit/s Intel® 82579 LM
**Keyboard**

- Spill-resistant keyboard with number block
- Number of keyboard keys: 104, Keyboard pitch: 19 mm, Keyboard stroke: 2.7 mm
- TouchStick (optional)
- Touchpad with two mouse buttons and scroll via fingerprint sensor
- Second set of mouse buttons
- EcoButton
- LockWorkstation button
- MobilityCenter Button
- Fingerprint sensor

**Multimedia**

<table>
<thead>
<tr>
<th>Audio type</th>
<th>On board</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audio codec</td>
<td>Realtek ALC269</td>
</tr>
<tr>
<td>Audio features</td>
<td>Stereo speakers, Internal microphone</td>
</tr>
<tr>
<td>Camera</td>
<td>Optional: Built-in webcam, 2.0 megapixel, VGA camera</td>
</tr>
</tbody>
</table>

**Power supply**

<table>
<thead>
<tr>
<th>AC adapter</th>
<th>19 V / 210 W (11.05 A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated voltage range</td>
<td>100 V - 240 V (AC Input)</td>
</tr>
<tr>
<td>Rated frequency range</td>
<td>50 Hz - 60 Hz</td>
</tr>
<tr>
<td>1st battery</td>
<td>Li-Ion battery 8-cell, 5,800 mAh, 84 Wh</td>
</tr>
<tr>
<td>Battery features</td>
<td>Dynamic charge supported (rapid charge)</td>
</tr>
<tr>
<td>Benchmark</td>
<td>Mobile Mark 2007 (readers mode – e.g. surfing the internet, writing E-mails, viewing documents)</td>
</tr>
<tr>
<td>Runtime 1st battery</td>
<td>up to 3 h</td>
</tr>
<tr>
<td>Battery notes</td>
<td>Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time depends on usage.</td>
</tr>
</tbody>
</table>

**Dimensions / Weight / Environmental**

<table>
<thead>
<tr>
<th>Dimensions (W x D x H)</th>
<th>417 x 287 x 33/44 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>4.25 kg</td>
</tr>
<tr>
<td>Weight notes</td>
<td>Actual weight may vary depending on configuration</td>
</tr>
<tr>
<td>Operating ambient temperature</td>
<td>5 - 35 °C</td>
</tr>
<tr>
<td>Operating relative humidity</td>
<td>20 - 80 % (relative humidity, non-condensing)</td>
</tr>
</tbody>
</table>
Additional Software

Additional software (preinstalled)
- Adobe® Reader® (pdf reader)
- McAfee Multi Access Security (anti-virus and internet security software; 60 days trial version)
- Fujitsu Display Manager EasyGuide online user documentation
- Norton Internet Security (incl. Firewall) 60 days version
- Power Saving Utility
- ShockSensor Utility
- SmartAccess
- Fujitsu Plugfree Network (network management utility)
- Intel® SBA (manageability suite for local administration)
- DTS® Sound Enhance Software
- Fujitsu Application Button Utility
- Fujitsu DeskUpdate (Driver and Utility tool)
- Microsoft Office (buy license to activate the pre-installed Microsoft Office)

Additional software (optional)
- Drivers & Utilities DVD (DUDVD)
- UMTS connection manager (optional with UMTS)

Manageability

Manageability technology
- DeskUpdate Driver management
- iAMT Intel® Active Manageability Technology v7.0 (not activated, not set up)
- Intel® vPro™ technology

Manageability software
- DeskView 10.x client management including:
  - DeskView components
    - On/Offline remote client management
    - Detailed system inventory management and reports
    - BIOS Management
    - Remote power management
    - System notifications
    - Security Remote Control
    - DeskView Helpdesk Integration

Supported standards
- WMI
- PXE
- BootP (made4you)
- Wol (Wake on LAN)

Manageability link

Security

Physical Security
- Kensington Lock support

System and BIOS Security
- Advanced Theft Protection
- Computrace® enabled BIOS
- Optional: Trusted platform module (TPM 1.2)
- Norton Internet Security (incl. Firewall) 60 days version

User Security
- Integrated Fingerprint Sensor
- Separate SmartCard slot
- Hard disk password
- SystemLock BIOS SmartCard security
- User and supervisor BIOS password
Fujitsu recommends Windows 8 Pro.

### Compliance

<table>
<thead>
<tr>
<th>Product</th>
<th>CELSIUS H910</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>GS</td>
</tr>
<tr>
<td>Europe</td>
<td>CE</td>
</tr>
<tr>
<td>USA/Canada</td>
<td>cCSAUS</td>
</tr>
<tr>
<td></td>
<td>FCC Class B (depending on wireless configuration)</td>
</tr>
</tbody>
</table>

**Global**
- RoHS (EU & China)
- Medical EMC standard IEC60601-1-2 in combination with medical kit
- ENERGY STAR® 5.0 in progress
- EPEAT® Gold (dedicated regions)

**Compliance link**
http://globalsp.ts.fujitsu.com/sites/certificates

### Port Replicator interfaces (optional)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-in</td>
<td>1</td>
</tr>
<tr>
<td>Power on switch</td>
<td>1</td>
</tr>
<tr>
<td>Audio: line-in</td>
<td>1</td>
</tr>
<tr>
<td>Audio: line-out</td>
<td>1</td>
</tr>
<tr>
<td>USB 2.0 total</td>
<td>4</td>
</tr>
<tr>
<td>DisplayPort</td>
<td>1</td>
</tr>
<tr>
<td>VGA</td>
<td>1</td>
</tr>
<tr>
<td>DVI</td>
<td>1</td>
</tr>
<tr>
<td>Serial (RS-232)</td>
<td>1</td>
</tr>
<tr>
<td>Ethernet (RJ-45)</td>
<td>1</td>
</tr>
<tr>
<td>Kensington Lock support</td>
<td>1</td>
</tr>
<tr>
<td>eSATA</td>
<td>1</td>
</tr>
</tbody>
</table>

### Warranty

**Standard Warranty**
3 years (depending on country)

**Service level**
Collect & Return Service / Bring-in Service (for countries within region FTS CEMEA&I, for all other countries depending on local regulations)

**Warranty Terms & Conditions**
http://support.ts.fujitsu.com/warranty

### Maintenance and Support Services - the perfect extension

**Recommended Service**
9x5, Response Time: Next Business Day

**Spare Parts availability**
5 years after end of product life

**Service Weblink**
http://www.fujitsu.com/fts/services/support

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**Recommended Accessories**
<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prestige City Trolley 17</td>
<td>The Prestige City Trolley 17 protects and transports notebooks with up to 17-inch screens, along with clothes and toiletries. It is the perfect companion in a city environment or for overnight stays with four spacious compartments. Smooth running wheels and a telescopic handle ensure convenience, while the central section protects your notebook with shock-absorbing foam.</td>
<td>S26391-F1191-L130</td>
</tr>
<tr>
<td>Wireless Notebook Mouse</td>
<td>The Wireless Notebook Mouse WI610 uses the latest wireless 2.4 GHz technology, and an ultra-high resolution switchable sensor to give you the precision and reliability you need (1000/1500/2000 dpi). Sporting a stylish silver-black finish, the WI610 wireless mouse is well suited to all environments.</td>
<td>S26381-K460-L100</td>
</tr>
<tr>
<td>SpaceMouse™ Pro</td>
<td>Using the SpaceMouse™ Pro 3D mouse to navigate 3D models or environments is as simple as holding them in your hand. A slight movement of the controller cap delivers easy and precise control. SpaceMouse™ Pro is a companion to the traditional mouse and is operated with the free hand. Your traditional mouse hand is free to select, create and edit.</td>
<td>S26381-K459-L100</td>
</tr>
<tr>
<td>Wireless Keyboard Set LX900</td>
<td>The Wireless Keyboard LX900 is a top of the line desktop solution for lifestyle orientated customers, who want only the best for their desk. This superb keyboard set with offers ambitious users more functions, security and better features than a conventional interface device. It even includes 2.4 GHz technology and 128 AES encryption for security.</td>
<td>S26381-K564-L4** (**: Country specific variation)</td>
</tr>
</tbody>
</table>
Fujitsu recommends Windows 8 Pro.

More information

Fujitsu OPTIMIZATION Services
In addition to Fujitsu CELSIUS H910, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio
Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation’s reliability.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

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 contribute to the creation of a sustainable environment for future generations through IT. Please find further information at http://www.fujitsu.com/global/about/environment

More information
Learn more about Fujitsu CELSIUS H910, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts/CELSIUS

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