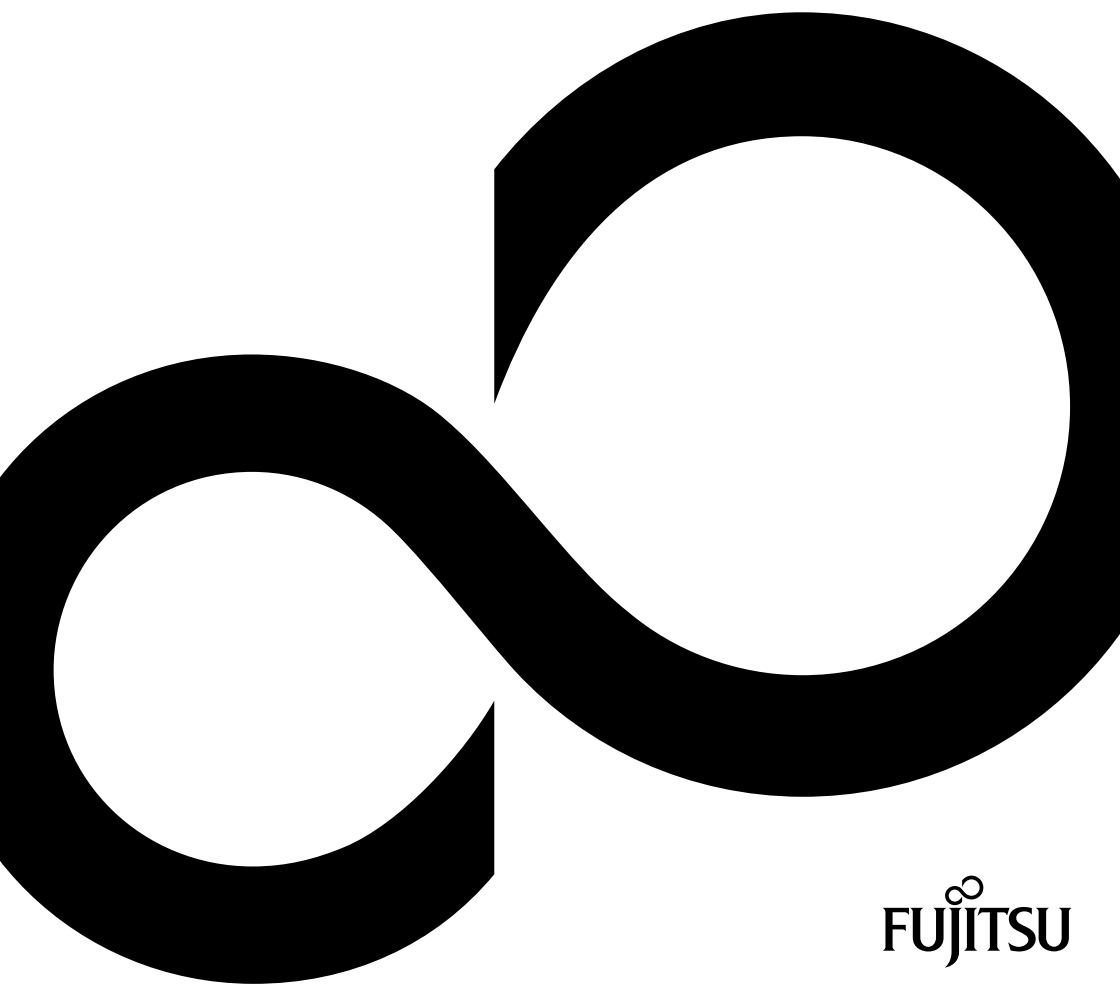


FUJITSU Tablet STYLISTIC Q5010



Congratulations on your purchase of an innovative product from Fujitsu.

The latest information about our products, tips, updates etc. can be found on the Internet at: ["http://www.fujitsu.com/fts/"](http://www.fujitsu.com/fts/)

You can find driver updates at: ["http://support.ts.fujitsu.com/download"](http://support.ts.fujitsu.com/download)

Should you have any technical questions, please contact:

- our Hotline/Service Desk (["http://support.ts.fujitsu.com/contact/servicedesk"](http://support.ts.fujitsu.com/contact/servicedesk))
- Your sales partner
- Your sales office

We hope you enjoy working with your new Fujitsu system!



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FUJITSU Tablet STYLISTIC Q5010

Operating manual

Innovative technology	7
Ports and controls	9
Important notes	12
First-time setup of your device	16
Working with the Tablet PC	19
Accessories for your Tablet PC (optional)	38
Security functions	53
Connecting external devices	60
Settings in BIOS Setup Utility	65
Troubleshooting and tips	67
Technical data	76
Manufacturer's notes	80
Index	81

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Contents

Innovative technology	7
Further information	7
Notational conventions	8
Ports and controls	9
Important notes	12
Safety notes	12
Additional safety notes for devices with wireless components	12
Protecting the display screen	13
Energy saving	13
Energy saving under Windows	13
Travelling with your Tablet PC	14
Before you travel	14
Transporting the Tablet PC	14
Cleaning the Tablet PC	15
First-time setup of your device	16
Unpacking and checking the device	16
Selecting a location	17
Mains adapter connecting	17
Switching on the device for the first time	18
Working with the Tablet PC	19
Status indicators	19
Switching on the Tablet PC	21
Programming the ON/OFF button	21
Switching the Tablet PC off	22
Handwriting recognition	22
Touch screen	22
Select display orientation (portrait or landscape orientation)	24
Use the touch screen	24
Using fingers	24
Using the stylus pen	25
Tablet buttons	29
Camera	30
Rechargeable battery	31
Charging and maintaining the battery	31
Using the power-management features	32
Memory cards	32
Supported formats	32
Inserting the memory card	33
Removing the memory card	33
SIM card (configuration dependent)	34
Inserting the SIM card	34
Removing the SIM card	35
Wireless LAN / Bluetooth / LTE radio components (configuration dependent)	36
Switching the wireless components on and off	36
Setting up WLAN access	36
Access via LTE (configuration dependent)	36
Ethernet and LAN (optional, only with cradle, keyboard dock or adapter cable)	37
GPS	37

Accessories for your Tablet PC (optional)	38
Your cradle (optional)	39
Cradle components	39
Setting up the cradle	40
Connecting the Tablet PC to the cradle	41
Disconnecting the Tablet PC from the cradle	42
Keyboard dock (optional)	43
Components of the keyboard dock	43
Connecting the Tablet PC to the keyboard dock	44
Disconnecting the Tablet PC from the keyboard dock	45
Touchpad and touchpad buttons	46
Keyboard	48
Security functions	53
Setting up the fingerprint sensor (configuration dependent)	54
Using the security lock (cradle only)	55
Configuring password protection in BIOS Setup Utility	55
Protecting BIOS Setup Utility (supervisor and user password)	56
Password protection for booting of the operating system	57
Trusted Platform Module - TPM (depending on configuration)	58
Enabling TPM	58
Disabling TPM	58
Enable password entry using the on-screen keyboard (on-screen keyboard for BitLocker password)	59
Connecting external devices	60
Connecting an external monitor	60
Display port (cradle only)	60
VGA monitor port (cradle only)	61
Connecting USB devices	62
USB port with charging function (USB Type-C)	63
How to remove USB devices correctly	63
Headphones/microphone/Line-In/Line-Out/headset combination port	64
Settings in BIOS Setup Utility	65
Starting the BIOS Setup Utility	65
Operating the BIOS Setup Utility	65
Exiting BIOS Setup Utility	66
Exit Saving Changes - save changes and exit BIOS Setup Utility	66
Exit Discarding Changes – Discard changes and exit BIOS Setup Utility	66
Load Setup Defaults – Copy Standard Entries	66
Discard Changes – Discard changes without exiting the BIOS Setup Utility	66
Save Changes - save changes without exiting the BIOS Setup Utility	66
Save Changes and Power Off	66
Troubleshooting and tips	67
Executing a reset	68
Forced shut down	68
Carry out a battery reset	68
Help if problems occur	68
The Tablet PC's date or time is incorrect	69
Battery charging indicator not lit	69
The Tablet PC's touchscreen remains dark	69
The display on the Tablet PC's touchscreen is difficult to read.	69

The external monitor remains blank	70
The external monitor is blank or the image is unstable	70
The cursor does not correctly follow the pen movements	71
The Tablet PC does not start after switch on	71
The Tablet PC stops working	71
The printer does not print	72
The wireless connection to a network does not work	72
The battery discharges too quickly	73
Acoustic warnings	73
Error messages on the screen	73
Restoring the system under Windows 10	75
Technical data	76
Tablet PC	76
Screen resolutions for integrated screen and external screens	77
Rechargeable battery	77
Mains adapter (36 W) for the Tablet PC with/without the keyboard docking	78
Mains adapter (90 W) for the Tablet PC with cradle	78
Cradle (optional)	79
Keyboard dock (optional)	79
Manufacturer's notes	80
Disposal and recycling	80
TCO Certified	80
SAR limit value (Specific Absorption Rate)	80
Other certification markings	80
Index	81

Innovative technology

... and ergonomic design make your device a reliable and convenient companion.

The device boots very quickly, is ready for immediate use and offers a particularly long operating time because of its high capacity battery.

The user-friendly "BIOS Setup Utility" offers powerful password protection functions which can be used to control your Tablet PC's hardware and protect your system better against unauthorised use.



Information on the connections and controls for your Tablet PC can be found in chapter ["Ports and controls", Page 9](#).

Further information



The Windows drivers for your device can be found on our Internet site. The factory installation of your device does not support any other operating system. Fujitsu Technology Solutions accepts no liability whatsoever if any other operating system is used.

Software oriented components of these instructions refer to Microsoft products, if they come within the scope of the delivery.

If you install other software products, pay attention to the operating instructions of the manufacturer.

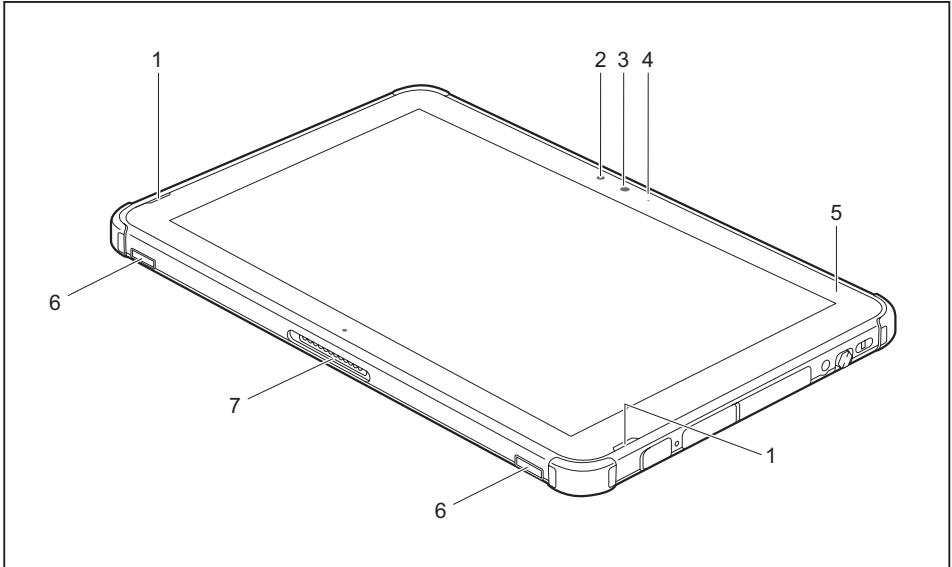
Notational conventions

	Pay particular attention to text marked with this symbol. Failure to observe these warnings could pose a risk to health, damage the device or lead to loss of data. The warranty will be invalidated if the device becomes defective through failure to observe these warnings.
	Indicates important information for the proper use of the device.
	Indicates an activity that must be performed
	Indicates a result
This font	indicates data entered using the keyboard in a program dialogue or at the command line, e.g. your password (Name123) or a command used to start a program (start.exe)
This font	indicates information that is displayed on the screen by a program, e.g.: Installation is complete.
<i>This font</i>	indicates - terms and texts used in a software interface, e.g.: Click on <i>Save</i> - names of programs or files, e.g. <i>Windows</i> or <i>setup.exe</i>.
"This font"	indicates - cross-references to another section, e.g. "Safety information" - cross-references to an external source, e.g. a web address: For more information, go to "http://www.fujitsu.com/fts/" - Names of CDs, DVDs and titles or designations for other materials, e.g.: "CD/DVD Drivers & Utilities" or "Safety/Regulations" manual
	indicates a key on the keyboard, e.g: 
This font	indicates terms and texts that are emphasised or highlighted, e.g.: Do not switch off the device

Ports and controls

This chapter presents the individual hardware components of your device. It gives you an overview of the device's indicators and connections. Please familiarise yourself with these components before you start to work with the device.

Front



1 = Loudspeaker

2 = Ambient light sensor

3 = Camera

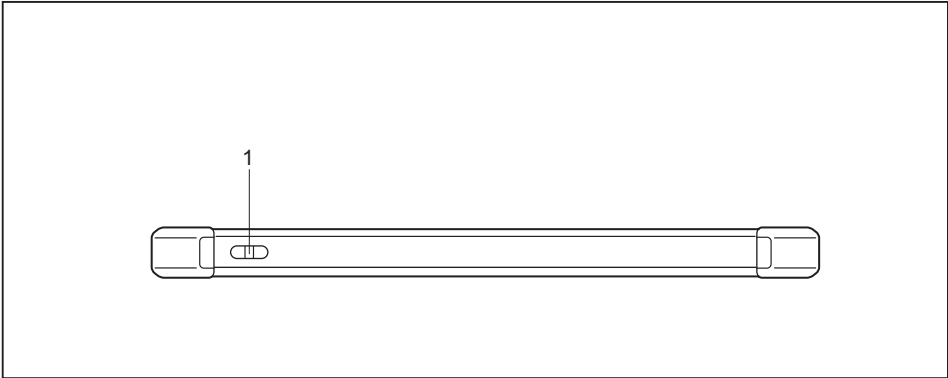
4 = Camera LED

5 = Power-on indicator

6 = Mechanical fixture for keyboard
dock/cradle

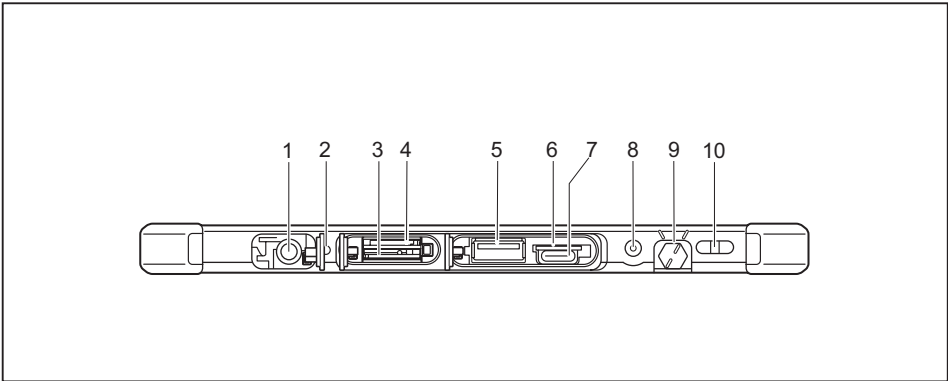
7 = Docking port

Left side



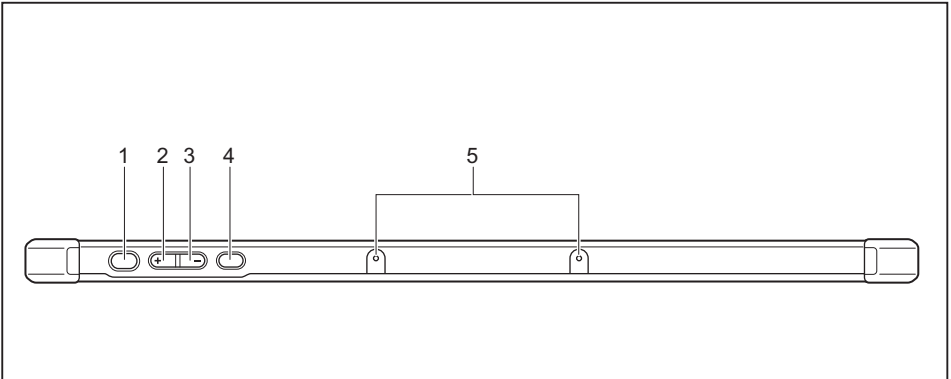
1 = Eyelet for the optional pen tether

Right side



- | | |
|---|---|
| 1 = DC Socket (DC IN,
protected by cover) | 6 = Rechargeable battery reset button
(protected by cover) |
| 2 = Battery charging indicator | 7 = USB port 3.2 Gen1 (USB Type-C)
with charging function and
Display port (Protected by cover) |
| 3 = SIM card slot
(configuration-dependent,
protected by cover) | 8 = Combined headphone and
microphone port |
| 4 = Memory card slot (protected by cover) | 9 = Pen slot |
| 5 = USB port 3.2 Gen1 (USB Type-A,
protected by cover) | 10 = Eyelet for the optional pen cord |

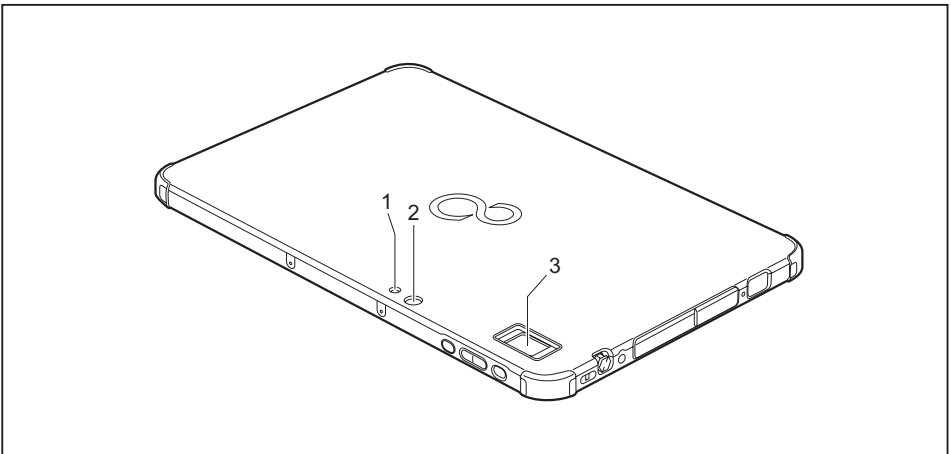
Top side view



- 1 = ON/OFF button
- 2 = Volume up button
- 3 = Volume down button

- 4 = Shortcut button
- 5 = Microphone

Rear



- 1 = Camera light
- 2 = Camera

- 3 = Fingerprint sensor
(configuration-dependent)

Important notes



This chapter contains essential safety information which must be followed when working with your Tablet PC. The other notes provide useful information on your Tablet PC.

Safety notes



Please follow the safety notes provided in the "Safety/Regulations" manual as well as the safety notes given below.

Please pay special attention to the sections in the manual marked with the symbol on the left.

When connecting and disconnecting cables, observe the relevant notes in this operating manual.

Read the information on the ambient conditions in the ["Technical data", Page 76](#) chapter and the information in the ["First-time setup of your device", Page 16](#) chapter before preparing your Tablet PC for use and switching it on for the first time.

When cleaning the device, please observe the relevant notes in the section ["Cleaning the Tablet PC", Page 15](#).

Pay attention to the additional safety notes for devices with wireless components provided in the "Safety/Regulations" manual.

This Tablet PC complies with the relevant safety regulations for data processing equipment. If you have questions as to whether you can set up the Tablet PC in the intended environment, please contact your sales point or our hotline/help desk.

Additional safety notes for devices with wireless components

If a wireless component (Wireless LAN/ Bluetooth, UMTS/LTE) is integrated in your Tablet PC, you must be sure to observe the following safety precautions when using your Tablet PC:

- Switch off the wireless components when you are in an aircraft or driving in a car.
- Switch off the wireless components when you are in a hospital, an operating room or near a medical electronics system. The transmitted radio waves can impair the operation of medical devices.
- Switch off the wireless components when you let the device get near flammable gases or into hazardous environments (e.g. petrol station, paintshops), as the transmitted radio waves can cause an explosion or a fire.



For information on how to switch wireless components on and off, see chapter ["Switching the wireless components on and off", Page 36](#).

Protecting the display screen



Do not pour liquids on the device or wash it with a heavily soaked cloth. Do not place items on the top of the screen, or damage may occur.

During normal use of the device, small particles from the environment can become embedded in the pen tip and scratch the screen. The warranty does not cover a scratched screen.

Energy saving

Switch off your Tablet PC if you do not need to use it. Switch off connected external devices if you are not using them. If you use the energy saving functions, the Tablet PC uses less power. You will then be able to work for longer before having to recharge the battery.



Power efficiency is increased and environmental pollution reduced. You save money and help protect the environment.

Energy saving under Windows

- Make use of the power management features (see [""Using the power-management features". Page 32"](#)).

Travelling with your Tablet PC

Please observe the points listed below when travelling with your Tablet PC.

Before you travel

- ▶ Back up important data stored on your hard disk.
- ▶ Switch off the wireless component for data security reasons. With data traffic via a wireless connection, it is also possible for unauthorised third parties to receive data.



Information on activating data encryption is provided in the documentation for your wireless component.

- ▶ If you wish to use your Tablet PC during a flight, check with the airline whether this is allowed.

When travelling in other countries

- ▶ If you are travelling abroad, check that the mains adapter can be operated with the local mains voltage. If this is not the case, obtain the appropriate mains adapter for your Tablet PC. Do not use any other voltage converter!
- ▶ Check whether the local mains voltage and the power cable are compatible. If this is not the case, buy a power cable that matches the local conditions.
- ▶ Ask the appropriate government office for your travel destination, whether you may use your Tablet PC with its installed radio component. Please observe the additional safety instructions for devices with radio components, found in the handbook "Safety/formalities".

Transporting the Tablet PC



Protect the Tablet PC from severe shocks and extreme temperatures (e.g., direct sunlight in a car).

- ▶ Switch off the Tablet PC.
- ▶ Unplug the mains adapter and all external devices from the power socket.
- ▶ Disconnect the mains adapter cable and the data cables for all external devices.
- ▶ To protect against damaging jolts and bumps, use a Tablet PC carrying case to transport your Tablet PC.

Cleaning the Tablet PC



Do not clean any interior parts yourself; leave this job to a service technician.

Only use cleaning products designed for computers. Normal household cleaners and polishes can damage the markings on the keyboard and the Tablet, the paintwork or the Tablet PC itself.

Please ensure that no liquid enters the Tablet PC.

The touchscreen is very sensitive to scratches! Only clean the display surface with a very soft, slightly damp cloth.

- ▶ Switch the Tablet PC off.
- ↳ The casing surfaces may be cleaned with a dry cloth. If particularly dirty, use a damp cloth that has been dipped in water mixed with mild domestic detergent and then carefully wrung out.

First-time setup of your device



Please read the chapter ["Important notes", Page 12.](#)

If your device is equipped with a Windows operating system, the necessary hardware drivers and supplied software are already pre-installed.

Before you switch on the device for the first time, connect it to the mains voltage using the mains adapter, see ["Mains adapter connecting", Page 17.](#) The mains adapter must be connected during the entire installation process.

A system test is performed when your device is first switched on. Various messages can appear. The display may remain dark for a short time or may flicker.

Please follow the instructions on the screen.

NEVER switch off your device during the first-time setup process.

The battery must be charged if you want to operate your device using the battery.

When used on the move, the built-in battery provides the device with the necessary power. You can increase the operating time by using the available energy-saving functions.

For instructions on how to connect external devices (e.g. mouse, printer) to your Tablet PC, please refer to the operating manual for your device.



The first time the device is switched on, a system message may appear:

Battery is low. Please charge the battery. System shutdown in 30s. Press <F1/Volume-Up> to continue or <F2/Volume-Down> to enter Setup

In this instance, switch off the device and charge the battery before switching on the device again.

Otherwise, especially during the initial commissioning of your device, it may happen that a supplied operating system is incompletely installed or configured.

Unpacking and checking the device



Should you discover any damage that occurred during transportation, notify your local sales outlet immediately!

- ▶ Unpack all the individual parts.
- ▶ Check your device for any visible damage which may have occurred during transportation.



You may need the packaging in the future, if you need to transport your device.

Selecting a location



Select a suitable location for the device before setting it up. Follow the instructions below when doing so:

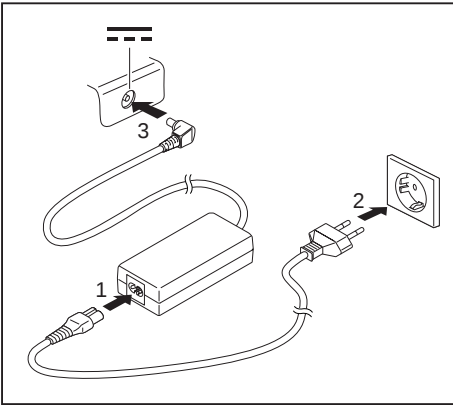
- Never place the device or the mains adapter on a heat-sensitive surface. The surface could be damaged as a result.
- Never place the device on a soft surface (e.g. carpeting, upholstered furniture, bed). This can result in damage caused by overheating.
- The underside of the device heats up during normal operation. Prolonged contact with the skin may become unpleasant or even result in burns.
- Place the device on a stable, flat, non-slippery surface. Please note that the rubber feet of the device may mark certain types of delicate surfaces.
- Keep other objects at least 100 mm / 4 inches away from the device and its mains adapter to ensure adequate ventilation.
- Do not expose the device to extreme environmental conditions. Protect the device against dust, moisture and heat.

Mains adapter connecting



Observe the safety notes in the enclosed "Safety/Regulations" manual.

The supplied power cable conforms to the requirements of the country in which you purchased your device. Make sure that the power cable is approved for use in the country in which you intend to use it.



- Connect the power cable (1) to the power adapter provided for the device, see chapter ["Technical data", Page 76](#).
- Plug the mains cable (2) into a mains outlet.
- Connect the mains adapter cable (3) to the DC jack (DC IN) of the device.

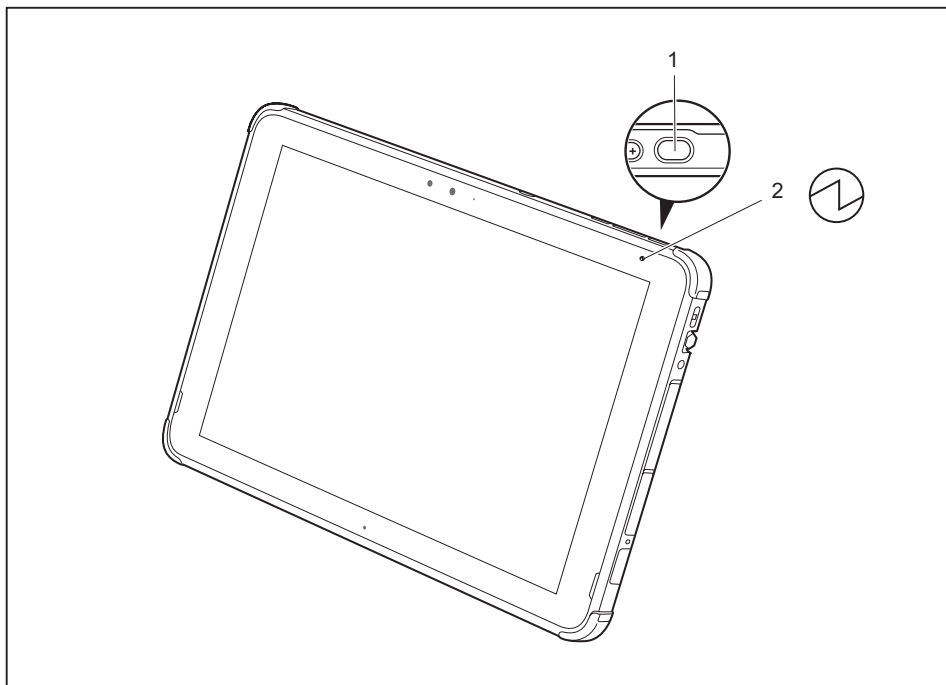
Switching on the device for the first time



When you switch on the device for the first time, the supplied software is installed and configured. Because this procedure must not be interrupted, you should set aside enough time for it to be fully completed and connect the device to the mains using the mains adapter.

During the installation process, DO NOT restart the device unless you are requested to do so!

To make it easier to use your device for the first time, the operating system is pre-installed on the hard disk.



- ▶ Press the ON/OFF button (1) for about one second to switch the device on.
- ↳ The power-on indicator (2) lights up as long as the system is switched on.
- ▶ During installation, follow the instructions on screen.



If a Windows operating system is installed on your device, you will find more information on the system and drivers, help programmes, updates, manuals etc. on the device. This information can also be found on the Internet at ["http://www.fujitsu.com/fts/support/"](http://www.fujitsu.com/fts/support/).

You can find information and help on the Windows operating system functions on the Internet at ["http://windows.microsoft.com"](http://windows.microsoft.com).

Working with the Tablet PC

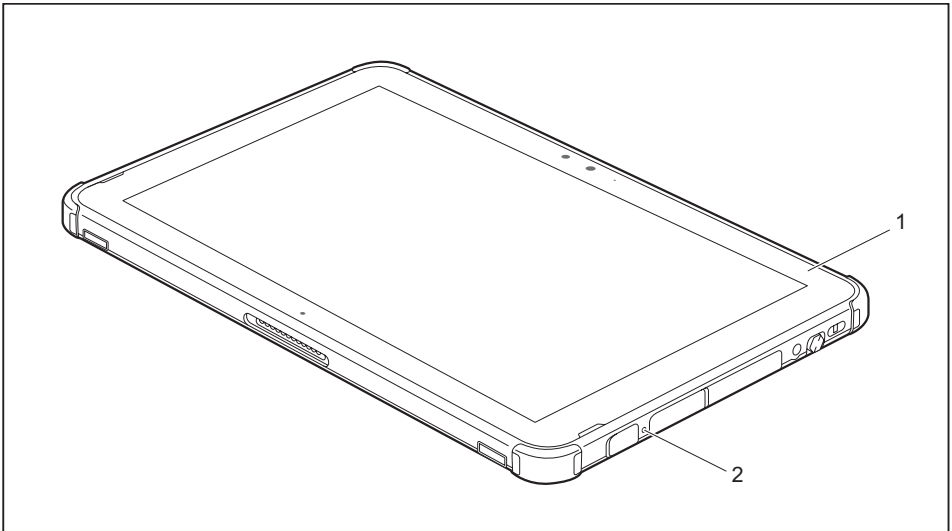
This chapter describes the basics for operating your Tablet PC. You can find instructions on how to connect external devices (e.g. mouse, flash memory) to the Tablet PC in the chapter ["Connecting external devices", Page 60](#).



Please refer to the notes in ["Important notes", Page 12](#).

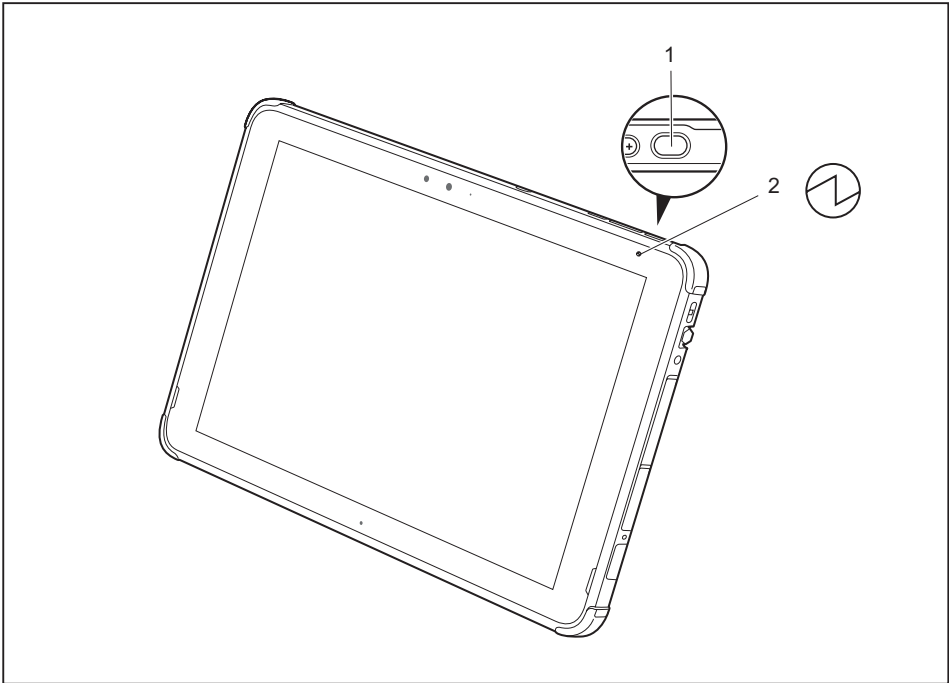
Status indicators

The status indicators (1, 2) provide information about the status of the power supply and the battery.



No.	Status displays	Description
1		Power-on indicator • The indicator lights up white: The tablet PC is switched on. • The indicator flashes: The Tablet PC is in sleep mode (Save-to-RAM). • The indicator is not lit: The Tablet PC is switched off or in Save-to-Disk mode.
2		Battery charging indicator Please note: If the mains adapter is connected when the state of charge of the battery is more than 90 %, charging will not be started. When the state of charge of the battery is less than 90 %, the battery will be charged to 100 % as soon as the mains adapter is connected. • The indicator light is orange: The battery is being charged. • The indicator is not lit: The battery is not being charged (the battery is already more than 90% charged or the mains adapter is not connected). • The indicator flashes orange: Rechargeable battery charging error. The rechargeable battery cannot be charged because the battery is too hot or too cold for charging. The charging process is continued as soon as the battery has reached a permissible temperature again.

Switching on the Tablet PC



- Press the ON/OFF button (1) for about one second to switch the device on.
- ↳ The power-on indicator (2) lights up as long as the system is switched on.

Programming the ON/OFF button

You can program the ON/OFF button:

Operating system	Menu
Windows 10	<i>Control Panel - Hardware and Sound - Power Options</i>



If you have assigned a password, you must enter this when requested to do so, in order to start the operating system. Detailed information can be found in the chapter ["Security functions", Page 53.](#)

Switching the Tablet PC off



Back up your data and close all applications before you switch off your device. Otherwise data might be lost.

- ▶ Shut down the operating system correctly.
- ▶ If the Tablet PC does not switch off automatically, press the ON/OFF button for about five seconds.

Handwriting recognition

For detailed information on handwriting recognition, see the documentation on your operating system.

At present, handwriting recognition under Windows supports the following languages:

English, German, French, Italian, Japanese, Korean, Chinese (traditional and simplified), Dutch, Portuguese, Spanish, Brazilian, Norwegian (Bokmål and Nynorsk), Swedish, Finnish, Danish, Polish, Rumanian, Serbian (Cyrillic and Latin script), Catalan, Russian, Czech and Croatian.

Under Windows you can set the required language under *Control Panel – Time, Language and Region – Language*.

Touch screen



Information on screen resolution can be found in the section ["Screen resolutions for integrated screen and external screens", Page 77](#).

High-quality LCD screens (TFT) are installed in Fujitsu Tablet PCs. For technical reasons, these screens are manufactured for a certain resolution. An optimum and sharp image can only be ensured with the resolution intended for the particular screen. A screen resolution which differs from the specification can result in an unclear image.

The screen resolution of your Tablet PC's touchscreen is optimally set at the factory.

With the present standards of production technology, absolutely flawless screen images cannot be guaranteed. There may be a few constantly light or dark pixels (picture elements) on the screen. The maximum permitted number of such faulty pixels is specified in the international standard ISO 9241-307 (Class II).

Example:

A monitor with an HD resolution of 1280 x 1024 has 1,310,720 pixels. Each pixel consists of three subpixels (red, green and blue), so there are almost 3.9 million subpixels in total. According to ISO 9241-307 (class II), a maximum of 3 light and 3 dark pixels and in addition 7 light or 13 dark subpixels or an equivalent mix (1 light subpixel counts as 2 dark subpixels) are allowed to be defective.

Pixel	A pixel consists of 3 subpixels, normally red, green and blue. A pixel is the smallest element that can be generated by complete functionality of the display.
Subpixel	A subpixel is a separately addressable internal structure within a pixel that enhances the pixel function.
Cluster	A cluster contains two or more defective pixels or subpixels in a 5 x 5 pixel block.

Background lighting

LCD screens are operated with background lighting. The luminosity of the background lighting can decrease over the period of use of the Tablet PC. However, you can set the brightness of your screen individually.

Ambient light sensor

If your Tablet PC was shipped with the *Windows* operating system, the screen brightness is regulated by the ambient light sensor according to the particular light conditions. This results in optimum readability and longer battery life at the same time.

If your Tablet PC was shipped with Windows 10, the adaptive brightness setting is enabled. To change the ambient light sensor settings, select *Control Panel - System and Security - Power Options - Change plan settings - Change advanced power options - Display - Activate adaptive brightness setting*.

Synchronising the display on the touchscreen and an external monitor

In Windows 10 you can proceed as follows to set the output type:

- ▶ Wipe your finger over the screen starting from the right-hand edge.
- ▶ Select *All settings*.
- ▶ Select *Settings - System - Display - Multiple screens*.

Select display orientation (portrait or landscape orientation)

You can choose to use either portrait or landscape orientation for the display, or whether the display orientation should automatically adapt to the orientation of the Tablet PC.



You can change these settings under *Control Panel - Hardware and Sound*
- *Windows Mobility Center / Rotate screen*.



In Settings there are profiles saved for operation with different screen orientations. These profiles have preset standard configurations that can be modified as desired. These settings do not just affect the screen settings on the Tablet PC, but also those on externally connected monitors.

Use the touch screen

You can execute commands as follows:

- using the stylus pen (supplied with your device).
- using your fingers

Using fingers

You can execute certain commands by using your finger tip on the touchscreen of your device.



Everything which you can select or activate using your finger tip can also be selected or activated using the pen.

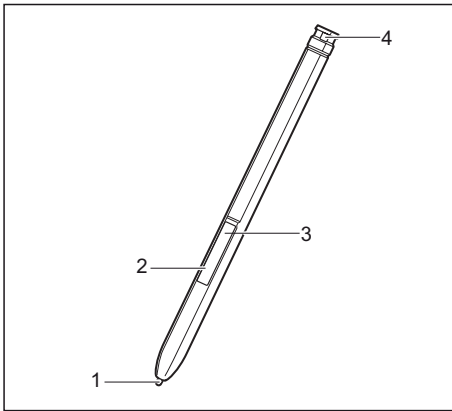
Calibrate the monitor for finger input



For instructions on how to calibrate your device to use the touch screen, please refer to chapter ["Calibrating the pen", Page 27](#).

Please note: There are separate calibration programs available for calibrating the pen and for calibrating finger tip operation. Do not use the calibration tool for the pen to calibrate finger tip operation.

Using the stylus pen



- 1 = pen tip
- 2 = pen button (= right mouse button)
- 3 = pen button (= delete function)
- 4 = eyelet for optional pen strap

You can use the pen on your Tablet PC as an electronic writing implement to select items, and to navigate through programs on it. Programs that support handwriting recognition also allow you to write characters directly on the screen with the pen. You can also use the pen as a drawing tool.

A pen tether is available as an optional extra and you can use this to tie the eyelet on the pen to the eyelet on the Tablet PC.



Use only the pen provided with your Tablet PC. Do not use substitutes that were not designed for your Tablet PC. Replace the stylus tip if it is worn. The warranty does not cover a scratched screen.

While writing, you should take care not to scratch the surface of the display (e.g. with a wristwatch or bracelet).



The Tablet PC's pen is an electronic instrument that can be damaged if used improperly. Handle the pen with care.

The following list contains guidelines for proper pen handling:

- Do not gesture with the pen.
- Do not use the pen as a pointer.
- Do not use the pen on surfaces other than the screen of the Tablet PC.
- Do not try to turn the thumb grip on the pen. The grip is used to place the pen in its slot or to remove it from the slot.
- Never store the pen with the tip bearing the weight of the pen (e.g. with the tip down in a pen holder). If the pen is stored with the tip pointing down, this may have an adverse effect on the pen mechanism (particularly at high temperatures). In this case the pen tip may react as though it is constantly being pressed down. To avoid damage, the pen should be stored in the slot when not in use.

The pen can be influenced by electromagnetic fields (cursor quivers or jumps). There may be a few areas on the screen where the cursor quivers slightly in spite of pressing the pen down firmly.

The screen responds to entries made with the tip of the finger or the pen when the tip of the finger or the pen is in direct contact with the screen.

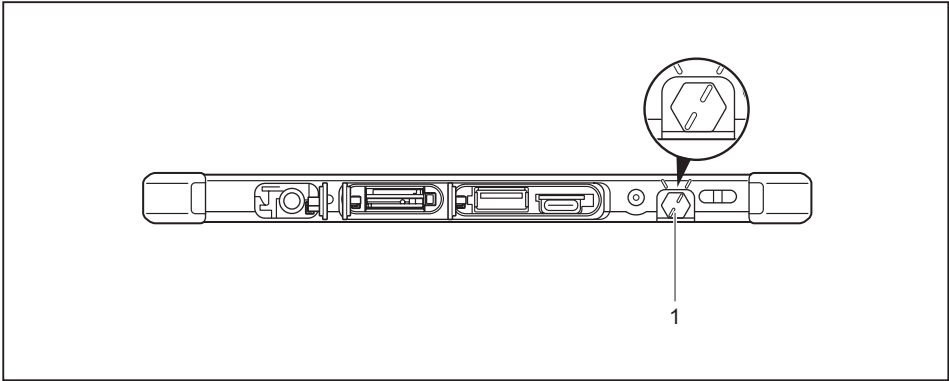
You can use the pen to run all functions for which you would otherwise use a mouse.

Handling	Mouse	Pen
Selecting menu items	Click with the left-hand mouse button.	Touch the menu entry with the pen tip.
Starting programs	Double click with the left-hand mouse button.	Briefly touch the program icon twice with the pen tip.
Moving an object/window	Drag with the left-hand mouse button held pressed.	Place the pen tip directly on the object/window. Hold the pen tip pressed against the screen. Move the desired object/window.
Opening a context menu	Click with the right-hand mouse button.	Place the pen directly on the required element and hold the pen pressed against the screen.
Moving the cursor	-	Place the pen tip directly on the screen.

Pen position



To prevent the pen from becoming jammed in its slot (1), make sure that you always insert the pen into its slot the correct way round (the charging contacts on the pen point towards the eyelet for the pen cord).



Setting the pen

Operating system	Menu
Windows 10	You can make various settings for the pen under <i>System Control - Hardware and Sound - Pen and Touch</i> .

Calibrating the pen

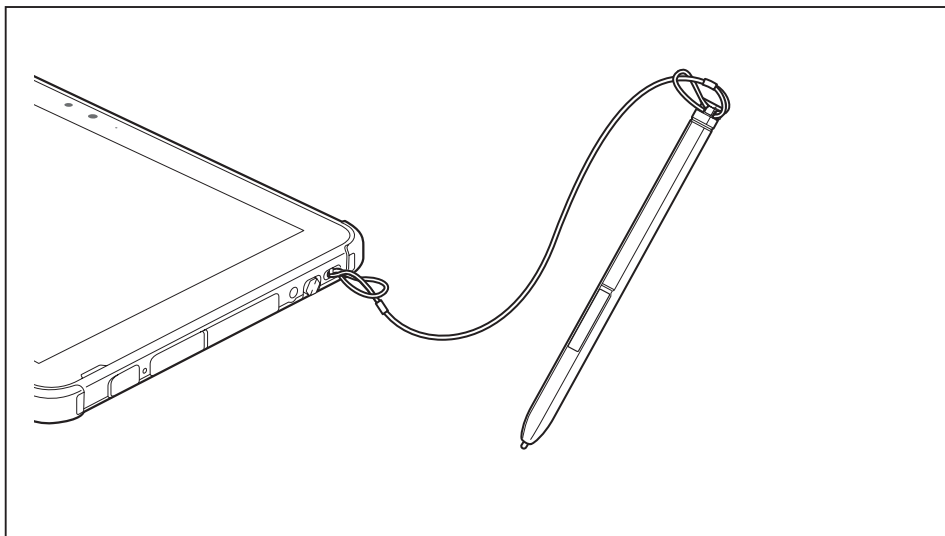
Via the operating system, you must calibrate your tablet PC before first use with the pen, so that it recognises the pen as accurately as possible.

You should also always repeat the calibration if the co-ordination between the pen and cursor movement deteriorates.

Operating system	Menu
Windows 10	To calibrate, call up the <i>Hardware and Sound / Tablet PC Settings</i> function in the Control Panel. You need to calibrate both portrait and landscape formats.

Installing a pen tether

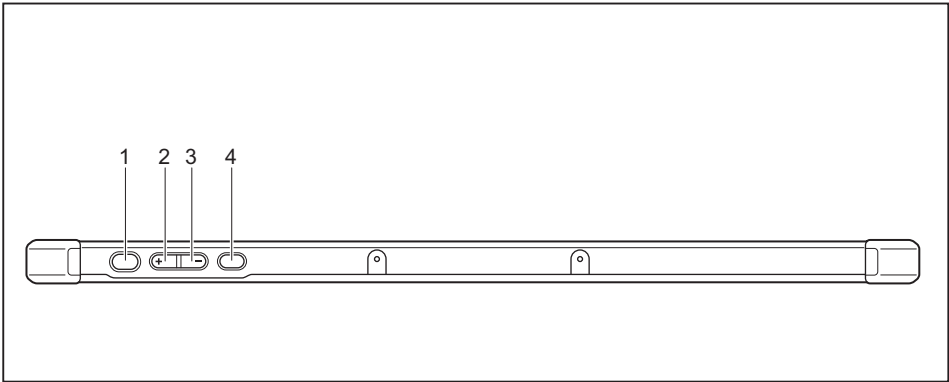
You should attach the pen with a pen tether to prevent accidentally dropping or losing it.



- Secure one end of the pen tether to the pen and the other end of the pen tether to the Tablet PC.

Tablet buttons

In addition to the ON/OFF switch (1), your Tablet PC is also equipped with three tablet buttons.



No.	Description	Functions
2	Volume up button	Increase the volume
3	Volume down button	Decrease the volume
4	Shortcut button	Start function manager or screen shot function



If the ON/OFF switch of the Tablet PC is pressed in combination with the volume-down button, this corresponds to the function of the key combination **Ctrl+Alt+Del** on a keyboard.

Camera



Your device has two cameras: one on the front of the device and one on the back.

Depending on the software used, you can use your camera to take pictures, record video clips or take part in web chats.

- The picture quality depends on the lighting conditions and the software being used.
- You can only use the camera with a particular application (e.g. an Internet telephony program or a video conferencing program which supports a camera).
- When using the camera, the Tablet PC support must not shake.
- The camera automatically adjusts itself to the current light level. For this reason the touchscreen may flicker while the light level is adjusted.



Further information on use of the camera and additional settings can be found in the Help function of the program which uses the camera.

Rechargeable battery

For mobile use, the built-in battery provides the Tablet PC with the necessary power. You can increase the life of the battery by caring for the battery properly. The average battery life is around 500 charge/discharge cycles.

You can extend the battery life by taking advantage of the available energy saving functions.

Charging and maintaining the battery

The rechargeable battery of the Tablet PC can only be charged when the ambient temperature is between 5 °C / 41 °F and a maximum temperature of 35 °C / 95 °F.

You can charge the battery by connecting the Tablet PC to the mains adapter (see "[Mains adapter connecting](#)", [Page 17](#)).

If the mains adapter is connected when the state of charge of the battery is more than 90%, charging will not be started. When the state of charge of the battery is less than 90%, the battery will be charged to 100% as soon as the mains adapter is connected.

If the battery is running low you will hear a warning alarm. If you do not connect the mains adapter within five minutes of the warning alarm described above, your Tablet PC will switch off automatically.

monitoring the battery charging level

In the system bar / status display there is a battery symbol shown for monitoring the battery capacity. The battery symbol shows you the battery charge.

Using the power-management features

The Tablet PC uses less power when the power management features are enabled. You will then be able to work longer when using the battery before having to recharge it.



Power efficiency is increased and environmental pollution reduced. By choosing the best power options, you can make significant savings and at the same time help protect the environment.

- ▶ Select the power management functions in your Control Panel.

When the Tablet PC is in power saving mode, you must remember the following:



During power saving mode, open files are held in the main memory or in a swap file on the hard disk.

Never switch off the Tablet PC while it is in a power saving mode. If the built-in battery is nearly flat, close the open files and do not go into power saving mode.

If you do not intend to use your Tablet PC for a long period of time:

- ▶ Exit the power saving mode if necessary via touching the screen or by switching on the Tablet PC.
- ▶ Close all opened programs and completely shut down the Tablet PC.

Memory cards

Your Tablet PC is equipped with an integrated memory card reader. You can use memory cards to increase the storage of your Tablet PC.



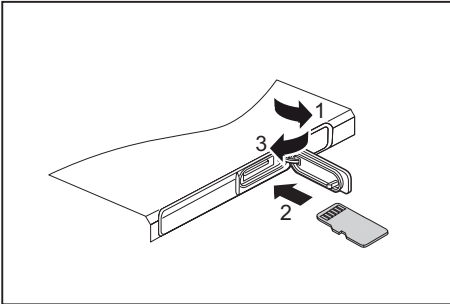
Observe the manufacturer's instructions when handling the memory cards.

Supported formats

It supports the following formats:

- Micro Secure Digital (microSD™ Card)
- microSDHC
- microSDXC

Inserting the memory card

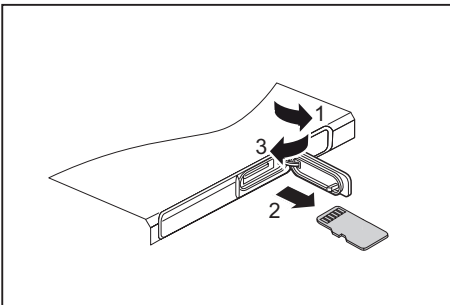


- ▶ Open the slot cover (1).
- ▶ Carefully push the memory card into the slot (2) as shown in the picture. Do not apply any force, otherwise the delicate contact surfaces could be damaged.
- ▶ Close the slot cover (3).

Removing the memory card



To avoid any loss of data, always follow the correct procedure for removing the card (see the documentation for your operating system).



- ▶ Open the slot cover (1).
- ▶ Press the edge of the memory card so that the memory card will jump part of the way out of its slot.
- ▶ Pull the memory card out of the slot in the direction of the arrow (2).
- ▶ Close the slot cover (3).

SIM card (configuration dependent)

A SIM card (Subscriber Identity Module) is a chip card which is inserted in a mobile telephone or Tablet PC and, together with an integrated UMTS/LTE module, enables access to a mobile network.

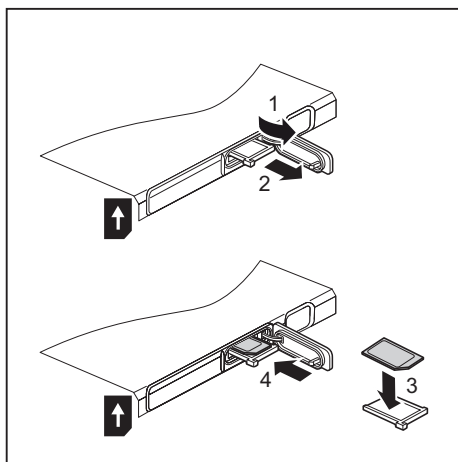
The device also supports the eSIM function. For information, please contact your network provider.



Please note that the SIM card format must be micro-SIM (3FF). Other SIM card formats, such as full-size (1FF), mini-SIM (2FF) or nano-SIM (4FF) do not fit in the SIM card slot of your tablet PC.

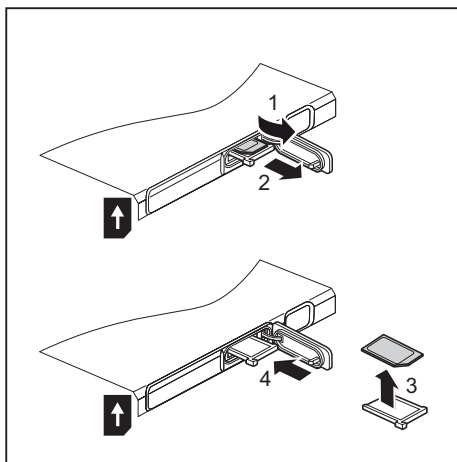
Please do not insert any other format of SIM card as they could twist or even damage the system.

Inserting the SIM card



- ▶ Open the slot cover (1).
- ▶ Pull the SIM card holder out of the slot (2).
- ▶ Insert the SIM card (3) in the SIM card holder as shown.
- ▶ Push the SIM card holder back into the slot (4).
- ▶ Close the slot cover.

Removing the SIM card



- ▶ Open the slot cover (1).
- ▶ Pull the SIM card holder out of the slot (2).
- ▶ Remove the SIM card from the SIM card holder (3).
- ▶ Push the SIM card holder back into the slot (4).
- ▶ Close the slot cover.

Wireless LAN / Bluetooth / LTE radio components (configuration dependent)



The installation of radio components not approved by Fujitsu will invalidate the certifications issued for this device.

Switching the wireless components on and off

wireless components are switched on and off via the corresponding functions of the operating system.

- ▶ To switch wireless components on and off individually, select *Settings – Change PC settings – Network – Airplane mode*.

Setting up WLAN access

- Requirement: A WLAN must be available and you must have the corresponding access information.



Information on configuring the WLAN access can be found in the documentation for your operating system.

Access via LTE (configuration dependent)

If you ordered an integrated LTE module with your system, you can enjoy optimum reception and maximum energy efficiency without awkward cables or antennas. An installed LTE module is ready for immediate use.

If you did not order an LTE module, you can purchase the accessories for LTE reception from your retailer or your Fujitsu Technology Solutions dealer.

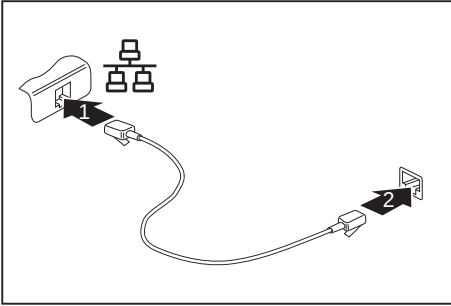
For information about connecting with the LTE network, please see the documentation for the hardware that you will be using.

You can connect your device to the internet via LTE. To do this, use one of the following connection types:

- Integrated LTE module (the type depends on your model variant)
- a USB dongle (a USB stick with your mobile phone provider's SIM card)
- a mobile end-device (e.g. mobile phone with Bluetooth or cable connection)

Ethernet and LAN (optional, only with cradle, keyboard dock or adapter cable)

With optionally available accessories, you can establish a connection to a local network (LAN = Local Area Network).



- ▶ Connect the network cable to the LAN port of the accessory (1).
- ▶ Connect the network cable to your network connection (2).



Your network administrator can help you to configure and use the LAN connections.

The network cable is not included in the delivery scope. This type of cable can be obtained from a specialist dealer.

Use a shielded network cable (CAT 5e).

GPS



Whether your device has this function or not depends on the device configuration chosen.

Accessories for your Tablet PC (optional)

The following accessories are available for your Tablet PC:

- Cradle for charging the Tablet PC and with additional ports
- Keyboard dock (with LAN port and keyboard)
- Protective TPU folio case with shoulder and hand straps
- Folio protective cover
- Adapter cable USB Type-C - HDMI
- USB - LAN adapter cable

The following sections provide more information on handling the accessories.

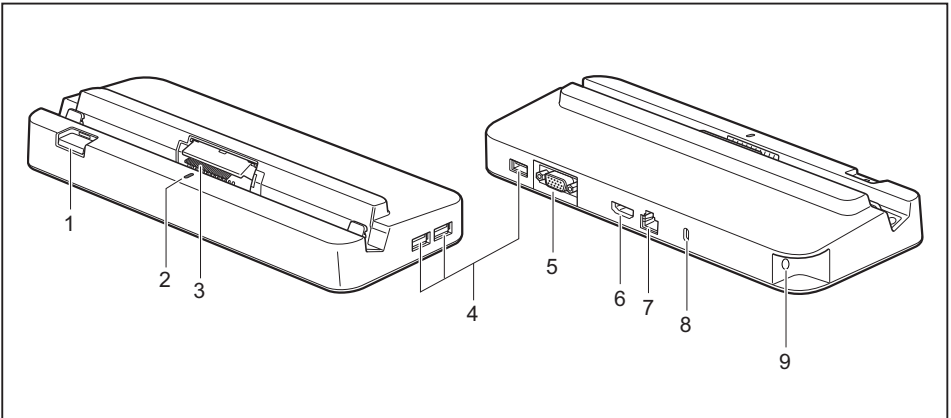
Your cradle (optional)

As well as providing rapid charging, your cradle is a device which helps you to quickly connect your tablet PC to your peripheral devices, such as a display, keyboard, mouse, etc. You only need to dock the tablet PC in order to work with your peripheral devices.



When the Tablet PC is mounted on the cradle, only USB cables with a length of up to 3 m are supported at all the USB ports.

Cradle components



- | | |
|---|--------------------------------|
| 1 = Release button | 6 = Display port |
| 2 = Status LED | 7 = LAN port |
| 3 = Connector on the cradle for the docking port of the Tablet PC | 8 = Security Lock device |
| 4 = USB 3.2 Gen1 port (Type-A) | 9 = DC input connector (DC IN) |
| 5 = VGA monitor port | |



The status LED (2) of the cradle lights up as soon as the Tablet PC is connected to the cradle, even if the Tablet PC is switched off.

Setting up the cradle



Select a suitable location for the cradle before setting it up. Follow the instructions below when doing so:

- Place the cradle on a flat, stable, nonslippery surface.
- Never place the cradle and the mains adapter on a heat-sensitive surface.
- Do not expose the cradle to extreme environmental conditions.
- Protect the cradle from dust, humidity and heat.

Connecting the Tablet PC to the cradle



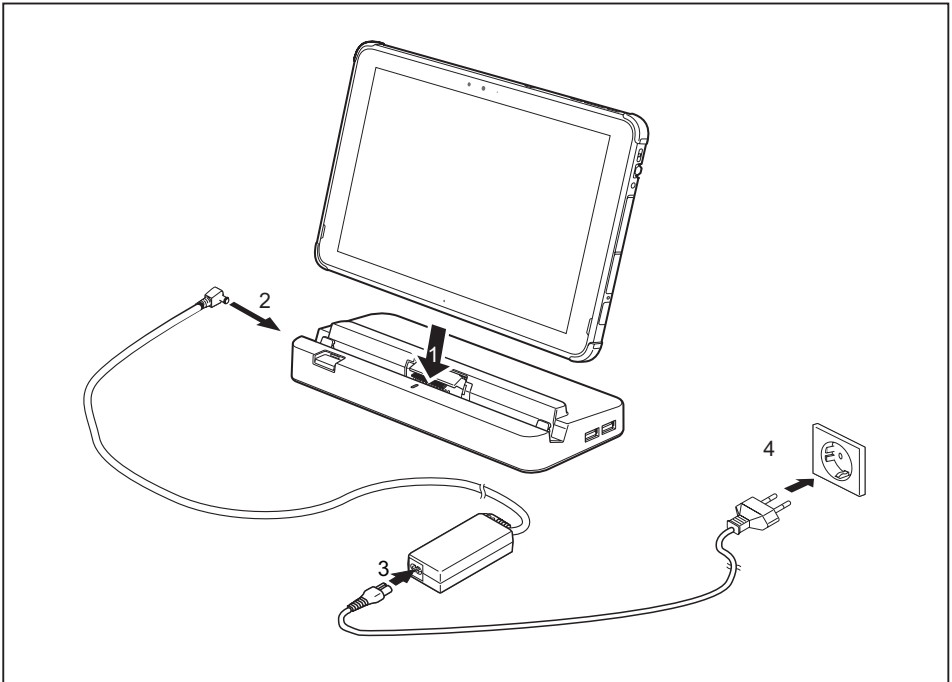
It is possible to connect the Tablet PC to the cradle while it is operating.

Unplug the mains adapter from the Tablet PC before you connect the Tablet PC to the cradle.



If the tablet PC is connected to the cradle, you must connect the mains adapter to the cradle in order to be able to use all of the cradle's functions.

- ▶ Remove the power plug of the mains adapter from the mains socket.
- ▶ Pull the mains adapter cable out of the DC jack (DC IN) of the Tablet PC.

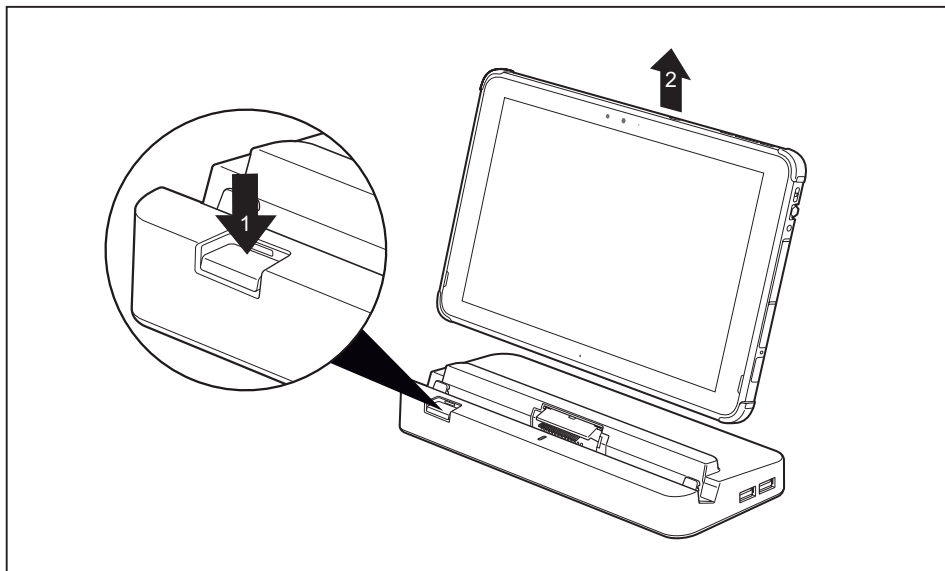


- ▶ Position the Tablet PC so that it lies on the surface of the tray on the cradle.
- ▶ Push the tablet PC onto the cradle in the direction of the arrow (1) until you feel it engage in the connector and until the release button has returned to its original position.
- ▶ Plug the DC output connector on the mains adapter into the DC input connector (DC IN) on the cradle (2).
- ▶ Connect the power cable to the power adapter provided for the cradle (3), see chapter ["Technical data", Page 76](#).
- ▶ Plug the power cable into the mains socket (4).

Disconnecting the Tablet PC from the cradle



It is possible to separate the Tablet PC from the cradle during operation.

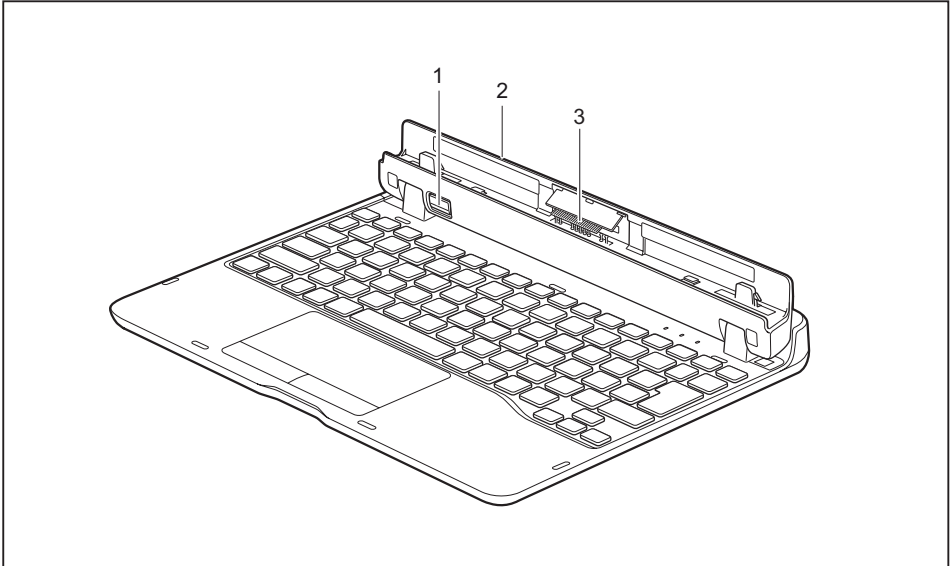


- ▶ Push the release button in the direction of the arrow (1) until it remains in the pressed position (red marking becomes visible).
- ▶ While holding the bottom part of the cradle, lift the Tablet PC away from the cradle in the direction of the arrow (2).

Keyboard dock (optional)

The keyboard dock is a device which has been optimised for convenient input of texts and allows connection to an Ethernet/LAN. You only need to dock the Tablet PC.

Components of the keyboard dock



1 = Release button

2 = LAN port on the rear

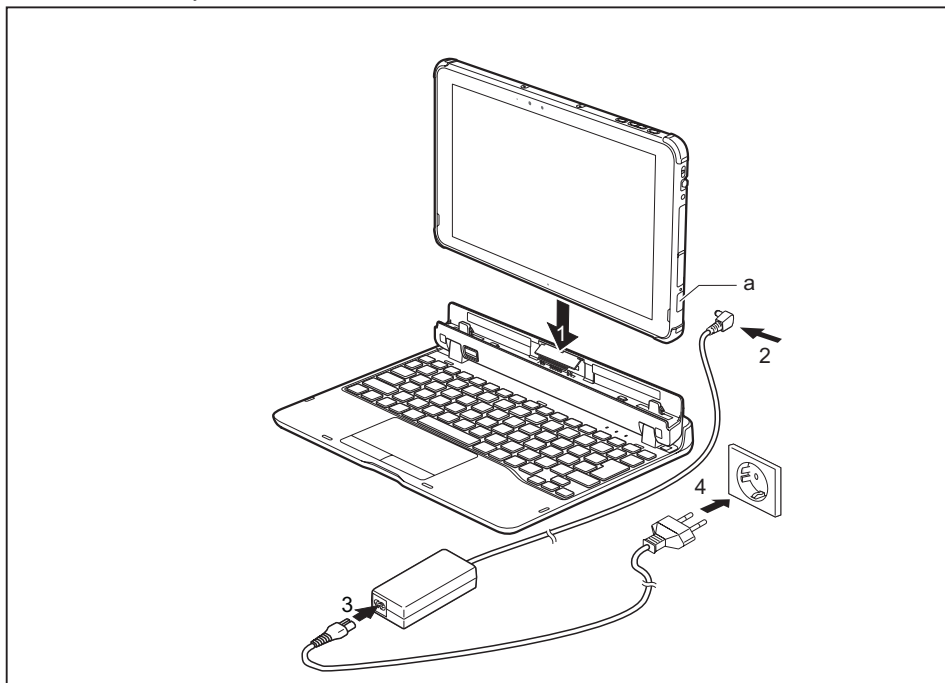
3 = Docking port for the Tablet PC

Connecting the Tablet PC to the keyboard dock



Please note: The maximum opening angle of the Tablet PC and of the keyboard dock connected is limited (ca. 110 degrees).

- Position the keyboard dock as shown.

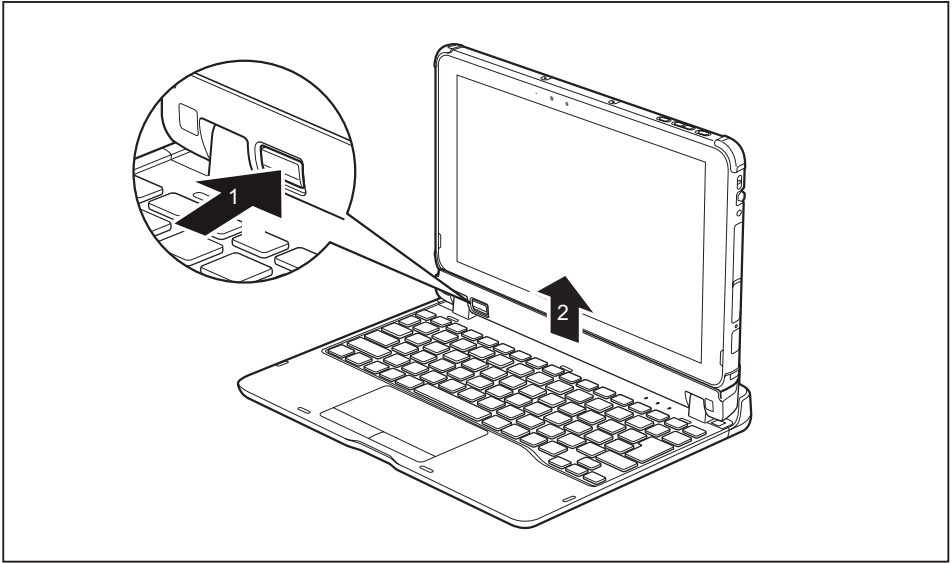


- Open the cover of the DC jack socket (a).
- Press the tablet PC onto the keyboard dock in the direction of the arrow (1), until you feel it engage on the connector.
- Connect the mains adapter cable to the DC input connector (DC IN) on the Tablet PC (2).
- Connect the power cable to the power adapter provided for the tablet PC (3), see chapter ["Technical data", Page 76](#).
- Plug the power cable into the mains socket (4).

Disconnecting the Tablet PC from the keyboard dock



It is possible to disconnect the Tablet PC from the keyboard dock during operation. To prevent problems, we recommend that you undock the Tablet PC using the appropriate function in the operating system.



- ▶ Press and hold the release button (1) until it remains in the pressed position (red marking becomes visible).
- ▶ Lift the Tablet PC away from the keyboard dock in the direction of the arrow (2).

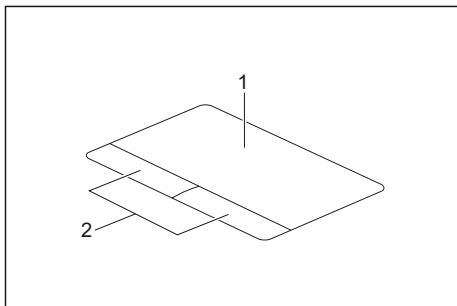
Touchpad and touchpad buttons



Keep the touchpad clean. Protect it from dirt, liquids and grease.

Never use the touchpad if your fingers are dirty.

Do not rest heavy objects (e.g. books) on the touchpad or the touchpad buttons.



1 = Touchpad

2 = Touchpad buttons

You can move the cursor using the touchpad.

The touchpad buttons allow you to select and execute commands. They correspond to the buttons on a conventional mouse.



You can also deactivate the touchpad via the keyboard, so that you cannot move the cursor unintentionally (see chapter ["Key combinations", Page 51](#)).

Moving the pointer

- ▶ Move your finger on the touchpad.
- ↳ The pointer will move.

Selecting an item

- ▶ Move the pointer to the item you wish to select.
- ▶ Tap the touchpad once or press the left button once.
- ↳ The item is selected.

Executing commands

- ▶ Move the pointer to the field you wish to select.
- ▶ Tap the touchpad twice or press the left button twice.
- ↳ The command is executed.

Dragging items

- ▶ Select the desired item.
- ▶ Press and hold the left button and, with your finger on the touchpad, drag the item to the desired position.
- ↳ The item will be moved.

Switching the Touchpad on and off



You can switch the touchpad on and off using the keyboard, see ["Key combinations", Page 51](#).

Keyboard

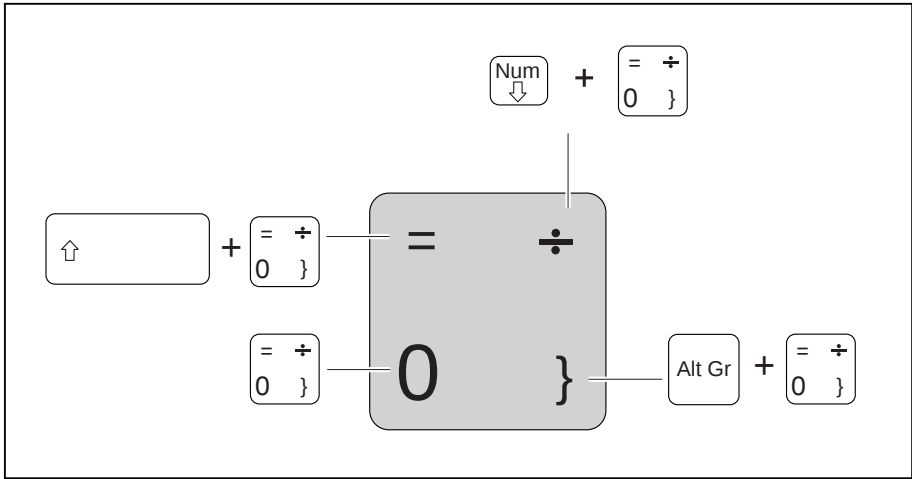
i The keyboard of the keyboard dock is subject to continuous wear through normal use. The key markings are especially prone to wear. The keyboard markings can wear off in the course of using the keyboard dock.

The keyboard has been designed to provide all the functions of an enhanced keyboard. Some enhanced keyboard functions are mapped with key combinations.

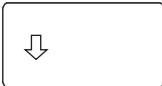
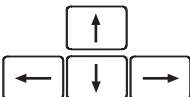
The following description of keys refers to Windows. Additional functions supported by the keys are described in the relevant manuals supplied with your application programs.

The figure below shows how to access the different characters on keys with overlaid functions. The example applies when the Caps Lock key has not been activated.

i The illustrations shown below may differ from your actual device.



Key	Description
	Backspace key The Backspace key deletes the character to the left of the cursor.
	Tab key The Tab key moves the cursor to the next tab stop.

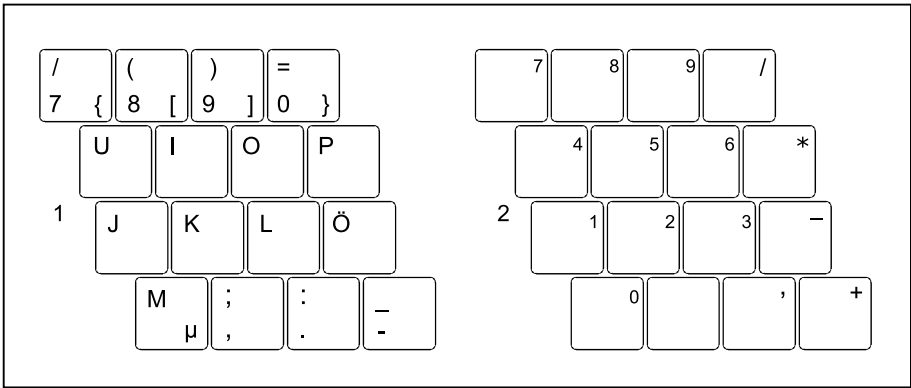
Key	Description
	Enter key (return) The Enter key terminates a command line. The command you have entered is executed when you press this key.
	Caps Lock key The Caps Lock key activates uppercase mode. In Caps Lock mode, all of the characters you type appear in upper case. In the case of overlay keys, the character printed on the upper left of the key will appear when that key is pressed. To cancel the Caps Lock function, simply press the Caps Lock key again.
	Shift key The Shift key causes uppercase characters to appear. In the case of overlay keys, the character printed on the upper left of the key appears when that key is pressed.
	Fn key The  key enables the special functions indicated on overlay keys (see "Key combinations", Page 51).
	Cursor keys The cursor keys move the cursor in the direction of the arrow, i.e. up, down, left, or right.
	Windows key The Windows key switches between the start screen and the last used application.
	Menu key The Menu key opens the menu for the active application.

Virtual numeric keypad

To provide the convenience of a numeric keypad, your keyboard is equipped with a virtual numeric keypad. The special keys of the virtual numeric keypad are recognisable by the numbers and symbols printed in the upper right corner of each key. If you have switched on the virtual numeric keypad, you can output the characters shown on the upper right of the keys.

i

The keyboard layout shown below may differ from your actual device.



1 = Valid characters when the Num key is not activated

2 = Valid characters when the Num key is activated

Further information about the status indicators can be found in chapter ["Status indicators", Page 19](#).

Country and keyboard settings

- Change the country and keyboard settings as described in the documentation for your operating system.

Key combinations

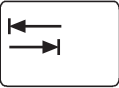
The following description of key combinations applies to Windows operating systems. Some of the following key combinations may not function in other operating systems or with certain device drivers.

Other key combinations are described in the relevant manuals supplied with your application programs.

Key combinations are entered as follows:

- ▶ Press the first key in the combination and keep it pressed.
- ▶ While holding the first key down, press the other key or keys in the combination.

Combination	Description
 + 	Switching the loudspeakers on and off This key combination switches your Tablet PC's loudspeakers off and on.
 + 	Switching the touchpad and touchpad buttons on/off This key combination switches the touchpad and the touchpad buttons on or off.
 + 	Decrease screen brightness This key combination decreases the brightness of the screen.
 + 	Increase screen brightness This key combination increases the brightness of the screen.
 + 	Decrease volume This key combination reduces the volume of the internal loudspeakers.
 + 	Increase volume This key combination increases the volume of the internal loudspeakers.
 + 	Toggle output screen Use this key combination to select which screen(s) is/are used for display if an external monitor is connected. Screen output is possible: • just the Tablet PC's LCD screen • both the Tablet PC's LCD screen and the external monitor • only on the external monitor This setting is useful if you would like a high resolution and a high refresh rate on an external monitor.

Combination	Description
 + 	Switch between open applications Use this key combination to switch between several open applications.
 +  + 	Windows security/Task-Manager This key combination opens the Windows security/Task-Manager window.
 + 	Back tab This key combination moves the cursor back to the previous tab stop.



Key combinations using the Windows keys are detailed in the manual for your operating system.

In addition, the following non-labelled key combinations are supported:

-  +  = Pause
-  +  = Break
-  +  = SysRq

Security functions

Your Tablet PC has several security features that you can use to secure your system from unauthorised access.

This chapter explains how to use each function, and what the benefits are.



Please remember that in some cases, for example, forgetting your password, you may be locked out and unable to access your data. Therefore, please note the following information:

- Back up your data on external data carriers at regular intervals.
- Some security functions need you to choose passwords. Make a note of the passwords and keep them in a safe place.

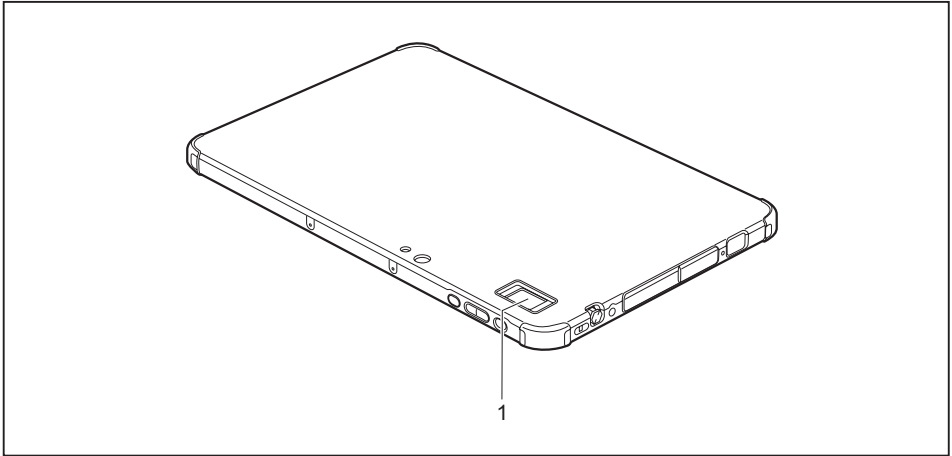
If you forget your passwords you will need to contact the our Service Desk. Deletion or resetting of passwords is not covered by your warranty and a charge will be made for assistance.

Setting up the fingerprint sensor (configuration dependent)



Whether your device has a fingerprint sensor or not depends on the device configuration that you ordered.

The fingerprint sensor can record an image of a fingerprint. With additional fingerprint software, this image can be processed and used instead of a password.



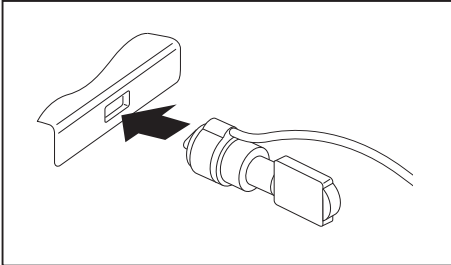
- You must install the fingerprint software in order to be able to use the fingerprint sensor (1).



The current *AuthConductor Basic* software for the fingerprint sensor is available on the Internet at:
["https://www.fujitsu.com/emeia/solutions/business-technology/security/product/secure/"](https://www.fujitsu.com/emeia/solutions/business-technology/security/product/secure/)

Using the security lock (cradle only)

Your cradle (optional) is equipped with a security device for a Kensington lock cable. You can use the Kensington lock cable, a sturdy steel cable, to protect the cradle against theft. The Kensington lock cable is available as an accessory.



- Fit the Kensington lock cable to the device on your cradle.

Configuring password protection in BIOS Setup Utility



Before using the various options for password protection in the *BIOS Setup utility* to increase data security, please observe the following:

Make a note of the passwords and keep them in a safe place. If you forget your supervisor password you will not be able to access your Tablet PC. Deletion of the password is not covered by your warranty and a charge will be made for assistance.



Your password can be up to 32 characters long and can contain letters, numbers and special characters.

When using special characters, please remember that they depend on the country version of the keyboard being used.

Protecting BIOS Setup Utility (supervisor and user password)



If you have opened these operating instructions on the screen, we recommend that you print them out. You cannot call the instructions onto the screen while you are setting up the password.

The supervisor password and the user password both prevent unauthorised use of the *BIOS Setup Utility*. With the aid of the supervisor password you can access all of the functions of the *BIOS Setup Utility*, while the user password will only give you access to some of the functions. You can only set up a user password if a supervisor password has already been assigned.



Please refer to section ["Settings in BIOS Setup Utility", Page 65](#) for a description of how to call up and operate the *BIOS-Setup-Utility*.

Setting supervisor and user password

- ▶ Start the *BIOS Setup Utility* and go to the *Security* menu.
- ▶ Select the *Set Supervisor Password* field and press the Enter key.
 - ↳ With *Enter new Password*: you are asked to enter a password.
- ▶ Enter the password and press the Enter key.
 - ↳ *Confirm new Password* requires you to confirm the password.
- ▶ Enter the password again and press the Enter key.
 - ↳ *Changes have been saved* is a confirmation that the new password has been saved.
- ▶ To set the user password, select *Set User Password* and proceed exactly as when configuring the supervisor password.
 - ↳ If you do not want to change any other settings, you can exit *BIOS Setup Utility*.
- ▶ In the *Exit* menu, select the option *Save Changes & Exit*.
- ▶ Select *Yes* and press the Enter key.
 - ↳ The Tablet PC is rebooted and the new password is effective. It will now be necessary to first enter your supervisor or user password in order to open the *BIOS Setup Utility*. Please note that the user password only provides access to a few of the BIOS settings.

Changing the supervisor or user password

You can only change the supervisor password when you have logged into the *BIOS Setup Utility* with the supervisor password.

- ▶ Call the *BIOS Setup Utility* and go to the *Security* menu.
- ▶ When changing the password, proceed exactly as for password assignment.

Removing passwords

To remove a password (without setting a new password) perform the following steps:

- ▶ Start the *BIOS Setup Utility* and go to the *Security* menu.
- ▶ Highlight the *Set Supervisor Password* or *Set User Password* field and press the Enter key.
- ↳ You will be requested to enter the current password by the *Enter Current Password* prompt.
You will be requested to enter a new password by the *Enter New Password* prompt.
- ▶ Press the Enter key twice.
- ▶ In the *Exit* menu, select the option *Save Changes & Exit*.
- ▶ Select *Yes* and press the Enter key.
- ↳ The Tablet PC is rebooted and the password is cancelled.
Removing the supervisor password simultaneously deactivates the user password.

Password protection for booting of the operating system



With the supervisor password you have set in the *BIOS Setup Utility* (see section ["Setting supervisor and user password", Page 56](#)), you can also prevent starting of the operating system.

Activating system protection

- ▶ Start the *BIOS Setup Utility* and go to the *Security* menu.
- ▶ Select the *Password on Boot* option and press the Enter key.
- ▶ Select the desired option (*First Boot* or *Every Boot*) and press Enter
- ▶ Select the *Save Changes & Exit* option under *Exit*.
- ↳ The Tablet PC reboots. You will be prompted to enter your password (the supervisor password).

Deactivating system protection

- ▶ Start the *BIOS Setup Utility* and go to the *Security* menu.
- ▶ Select the *Password on Boot* option and press the Enter key.
- ▶ Select the *Disabled* option and press the Enter key.
- ↳ If you do not want to change any other settings, you can exit *BIOS Setup Utility*.
- ▶ Select the *Save Changes & Exit* option under *Exit*.
- ↳ The Tablet PC reboots. The system is no longer password-protected.

Trusted Platform Module - TPM (depending on configuration)

To use the TPM, you **must** activate the TPM in the *BIOS Setup* before the software is installed. The condition for this is that you have assigned at least the supervisor password (see ["Security functions", Page 53](#)).

Enabling TPM

- Requirement: You have set a supervisor password, see ["Security functions", Page 53](#).
- ▶ Call up the BIOS Setup and select the *Security* menu.
- ▶ Mark the *TPM Security Chip Setting* field and press the Enter key.
- ▶ Select *Enabled* to activate the TPM.
- ↳ Once you have activated the TPM the *Clear Security Chip* option appears.
Select *Clear Security Chip* to delete the holder in the TPM. By clicking on *Enabled*, all secret keys (e.g. SRK - Storage Root Keys, AIK - Attestation Identity Keys etc.) generated by applications are deleted.

Please note that you will then no longer be able to access the data you have encrypted with the keys based on that holder.
- ▶ In the *Exit* menu, choose the option *Exit Saving Changes*.
- ▶ Press the enter key and select *Yes*.
- ↳ The tablet PC restarts and the TPM is switched on after the reboot.

Disabling TPM

- Requirement: You have set a supervisor password, see ["Security functions", Page 53](#).
- ▶ Call up the BIOS Setup and select the *Security* menu.
- ▶ Mark the *TPM Security Chip Setting* field and press the Enter key.
- ▶ Select *Disabled* to deactivate the TPM.
- ▶ From the *Exit* menu, choose the option *Exit Saving Changes*.
- ▶ Press the Enter key and select *Yes*.
- ↳ The tablet PC is rebooted and the TPM is disabled.

If TPM is enabled, you can enable an OnScreen keyboard for the internal touchscreen in the BIOS Setup.

-

Connecting external devices



Under all circumstances, please observe the safety notes provided in the ["Important notes"](#), [Page 12](#) chapter before connecting or disconnecting any devices to or from your Tablet PC.

Always read the documentation supplied with the device you wish to connect.

Never connect or disconnect cables during a thunderstorm.

Never pull at a cable when disconnecting it. Always grasp the plug.



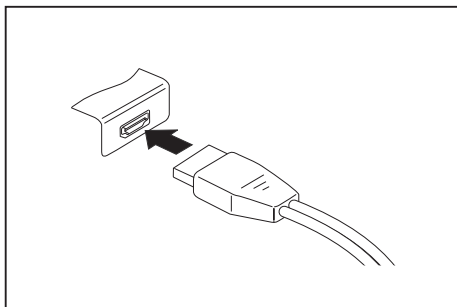
With some devices, such as USB devices, it is not necessary to switch off the Tablet PC and the device before connecting/disconnecting. For more information about whether or not devices need to be switched off, please refer to the documentation supplied with the external device.

Some of the external devices require special drivers (see the operating system and external device documentation).

Connecting an external monitor

Display port (cradle only)

The display port of the cradle can be used to connect a display, LCD TV or a plasma TV with an appropriate port. The screen output is limited to a maximum of two external screens at the same time.



- ▶ Connect the data cable to the external device.
- ▶ Connect the data cable to the display port of the cradle.

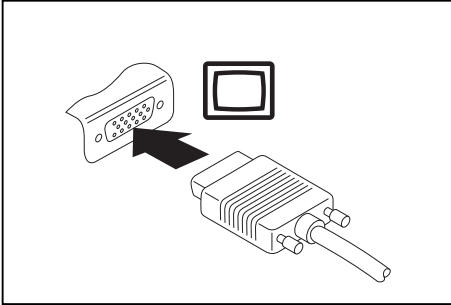


Some LCD televisions have only two loudspeaker connections and therefore cannot reproduce Dolby Digital or DTS. In order to reproduce the sound, you must go into *Windows* and adjust the sound settings.

- ▶ To do this, deactivate the *DTS Audio* and *Dolby Digital* settings in the control panel for the *Realtek HDMI Output*.

VGA monitor port (cradle only)

An analogue monitor is connected to the analogue VGA monitor port. The screen output is limited to a maximum of two external screens at the same time.



- ▶ Switch off the Tablet PC and the external monitor.
- ▶ Plug the data cable of the external monitor into the monitor port.
- ▶ First switch on external monitor and then the Tablet PC.



You can also switch back and forth between the external monitor and the LCD screen of the Tablet PC, see ["Touch screen", Page 22](#).

You can display the same picture on the external monitor and the LCD screen of the Tablet PC simultaneously.

Connecting USB devices

On the USB ports, you can connect external devices that also have a USB port (e.g. a DVD drive, a printer, a scanner or a modem).



USB devices are hot-pluggable. This means you can connect and disconnect devices while your operating system is running.

USB 1.x has a maximum data transfer rate of 12 Mbit/s.

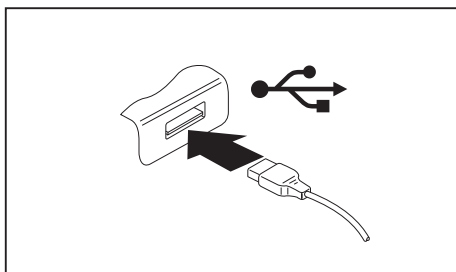
USB 2.0 has a data transfer rate of up to 480 Mbit/s.

USB 3.0 has a data transfer rate of up to 5 Gbit/s.

USB 3.2 (Gen1) has a data transfer rate of up to 5 Gbit/s.

With USB 3.2 (generation 2), the data transfer rate is up to 10 Gbit/s.

Additional information can be found in the documentation for the USB devices.



- ▶ Connect the data cable to the external device.
 - ▶ Connect the data cable to the USB port on the Tablet PC.
- or
- ▶ Connect the data cable to a USB port of the cradle.



Device drivers

USB devices will be automatically recognised and installed by your operating system.

USB port with charging function (USB Type-C)

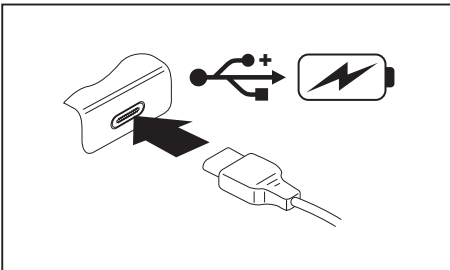
At this USB port, you can charge a connected USB device or operate devices without additional power supply.

This is also possible with the Tablet PC switched off, by activating the *USB Type-C Power Delivery on System Off* function in the *Advanced - Miscellaneous Configurations* menu of the *BIOS Setup Utility*. Instructions on how to call up and use the *BIOS Setup Utility* can be found in the ["Settings in BIOS Setup Utility", Page 65](#) section.



USB devices are hot-pluggable. This means you can connect and disconnect the cables of USB devices while the system is running.

Additional information can be found in the documentation for the USB devices.



- ▶ Connect the data cable to the external device.
- ▶ Connect the data cable to a USB port (USB Type-C) of the Tablet PC.

How to remove USB devices correctly

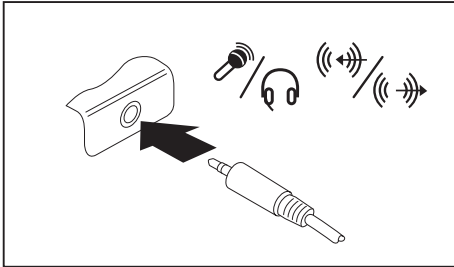


Always correctly remove the device according to the rules described below, to ensure that none of your data is lost.

- ▶ Tap the symbol for safe removal of the hardware.
- ▶ Select the device which you want to shut down and remove.
- ▶ Tap *OK*.
- ↳ Wait for the dialogue box which tells you that it is now safe to remove the device.

Headphones/microphone/Line-In/Line-Out/headset combination port

Using the headphones/microphone/Line-In/Line-Out/headset-combi port, you can connect a headset, headphones, a microphone or external loudspeakers to your Tablet PC.



- ▶ Connect the audio cable to the external device.
- ▶ Connect the audio cable to the headphone port of the Tablet PC.
- ↳ The internal loudspeakers are disabled.



If you buy a cable from a retailer, please note the following information:

The headphones/microphone/Line-In/Line-Out/headset-combi port on your Tablet PC is a "3.5 mm jack socket".

If you want to connect headphones or a speaker you will need a "3.5 mm jack plug".

Settings in BIOS Setup Utility

The *BIOS Setup Utility* allows you to set the system functions and the hardware configuration for the Tablet PC.

When it is delivered, the Tablet PC is set to factory default settings. You can change these settings in *BIOS Setup Utility*. Any changes you make take effect as soon as you save and exit the *BIOS Setup Utility*.

The *BIOS Setup Utility* program contains the following menus:

<i>About</i>	Displays information relating to the BIOS, processor and Tablet PC
<i>System</i>	Advanced system settings
<i>Advanced</i>	Configuration of various hardware components, such as mouse, keyboard, processor
<i>Security</i>	Password settings and security functions
<i>Boot</i>	Configuration of the start-up sequence
<i>Exit</i>	Exits the <i>BIOS Setup Utility</i>

Starting the BIOS Setup Utility

- ▶ Press and hold the volume down button and switch the tablet PC on.
- ▶ If a password has been assigned, enter the password and press the Enter key.



If you have forgotten the password, contact your system administrator or contact our customer service centre.

The *BIOS Setup Utility* starts.

Operating the BIOS Setup Utility



Press the **[F1]** key to display help on the operation of the *BIOS Setup Utility*. The description of the individual settings is shown in the right-hand window of the *BIOS Setup Utility*.

With the **[F9]** key you can load the default settings of the *BIOS Setup Utility*.

- ▶ Use the cursor keys **[←]** or **[→]** to select the menu in which you would like to configure settings.
- ↳ The menu is displayed on the screen.
- ▶ Select the option that you want to change with the cursor keys **[↑]** or **[↓]**.
- ▶ Press the Enter key.
- ▶ Press the **[ESC]** key to exit the selected menu.
- ▶ For future reference, make a note of the changes you have made (e.g. in this manual).

Exiting BIOS Setup Utility

You need to select the desired option in the *Exit* menu and activate it by pressing the Enter key:

Exit Saving Changes - save changes and exit BIOS Setup Utility

- ▶ To save the current menu settings and exit the *BIOS Setup Utility*, select *Exit Saving Changes* and *Yes*.
- ↳ The Tablet PC is rebooted and the new settings come into effect.

Exit Discarding Changes – Discard changes and exit BIOS Setup Utility

- ▶ To discard the changes, select *Exit Discarding Changes* and *Yes*.
- ↳ The settings in place when *BIOS Setup Utility* was called remain effective. The *BIOS Setup Utility* is terminated and the Tablet PC is rebooted.

Load Setup Defaults – Copy Standard Entries

- ▶ To copy the standard entries for all menus of the *BIOS Setup Utility*, choose *Load Setup Defaults* and *Yes*.

Discard Changes – Discard changes without exiting the BIOS Setup Utility

- ▶ To discard the changes you have made, select *Discard Changes* and *Yes*.
- ↳ The settings in place when *BIOS Setup Utility* was called remain effective.
You can now make additional settings in the *BIOS Setup Utility*.
- ▶ If you want to exit *BIOS Setup Utility* with these settings, select *Exit Saving Changes* and *Yes*.

Save Changes - save changes without exiting the BIOS Setup Utility

- ▶ To save the changes, select *Save Changes* and *Yes*.
- ↳ The changes are saved. You can now make additional settings in the *BIOS Setup Utility*.
- ▶ If you want to exit *BIOS Setup Utility* with these settings, choose *Exit Saving Changes* and *Yes*.

Save Changes and Power Off

- ▶ To save the changes and switch off your device, select *Save Changes and Power Off* and *Yes*.
- ↳ The changes are saved. Your device is shut down.

Troubleshooting and tips



Follow the safety notes in the "Safety/Regulations" manual when connecting or disconnecting cables.

If a fault occurs, try to correct it as described. If you fail to correct the problem, proceed as follows:

- ▶ Make a note of the steps and the circumstances that led to the fault. Also make a note of any error messages displayed.
- ▶ Switch the Tablet PC off.
- ▶ Please contact the Hotline/Service Desk.



You will find the telephone numbers at "<http://support.ts.fujitsu.com/contact/servicedesk>" Have the following information ready when you call:

- The model name and serial number of the Tablet PC. The serial number is located on a sticker on the underside of the Tablet PC.
- Notes of any messages that appear on the screen and information on acoustic signals.
- Any changes you have made to the hardware or software after receiving the Tablet PC.
- Any changes you have made to the *BIOS Setup* settings after receiving the Tablet PC.
- Your system configuration and all peripheral devices connected to your system.
- Your sales contract.



Our Tablet PCs have been designed primarily with mobile applications in mind. This means that considerable effort has been made to optimise components and equipment in terms of weight, space and energy requirements. Depending on the particular configuration you have purchased, it is possible that functionality may be slightly reduced compared to a desktop PC if you are running processor-intensive gaming software, e.g. games with intensive 3D graphics. Updating your hardware with drivers which have not been approved by Fujitsu Technology Solutions may result in performance losses, data losses or malfunction of the equipment. A list of approved drivers and current BIOS versions can be downloaded from: "<http://support.ts.fujitsu.com/Download/Index.asp>"

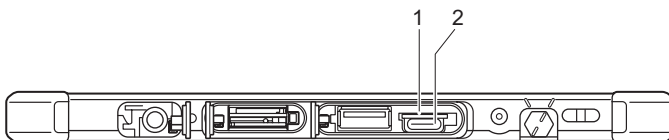
Executing a reset

If the device no longer responds to your inputs, select one of the following options:

Forced shut down

- ▶ Keep the ON/OFF button pressed for at least 4 seconds.
- ↳ The device will shut down. You can then restart it.

Carry out a battery reset



The battery reset button (1) is located on the right of the device above the USB type-C port (2).

- ▶ Shut down the device.



If the device does not respond, you may have to force the shutdown, as described in the previous section.

- ▶ Disconnect the mains adapter from the device.
- ▶ Use a small pointed tool with caution to press the battery reset button.
- ↳ The device performs a reset, comparable to removing the battery. You can then restart it.

Help if problems occur

Should you encounter a problem with your computer that you cannot resolve yourself:

- ▶ Note the ID number of your device. The ID number is found on the type rating plate on the back or underside of the casing.
- ▶ Contact the Service Desk responsible for your country for clarification of the problem: ["http://support.ts.fujitsu.com/contact/servicedesk"](http://support.ts.fujitsu.com/contact/servicedesk). When you do this, please have ready the ID number and serial number of your system.

The Tablet PC's date or time is incorrect

Cause	Troubleshooting
Time and date are incorrect.	▶ With the <i>BIOS-Setup-Utility</i> , you can set the date and time in the <i>main</i> menu.
Date and time are still set incorrectly after switching on the Tablet PC.	▶ Please contact your sales outlet or our Hotline/Service Desk.

Battery charging indicator not lit

Cause	Fault elimination
The battery is not being charged.	▶ Connect the Tablet PC to a mains outlet using the mains adapter. Note: The battery will only be charged again when the battery capacity is less than 90%.

The Tablet PC's touchscreen remains dark

Cause	Troubleshooting
Touchscreen is switched off.	▶ Press a key (external keyboard) or tap on the touchscreen.
External monitor or television set connected.	▶ Check whether the graphics driver settings are correct or whether an external monitor has been detected in "Intel Graphics Media Accelerator Driver for mobile".

The display on the Tablet PC's touchscreen is difficult to read.

Cause	Troubleshooting
Reflected glare	▶ Move the Tablet PC into a different position. ▶ Increase the brightness of the screen.

The external monitor remains blank

Cause	Troubleshooting
Monitor is switched off.	► Switch the external monitor on.
Power saving has been activated (monitor is blank).	► Press a key (external keyboard) or tap on the touchscreen.
Brightness is set to dark.	► Adjust the brightness of the monitor.
Screen output is set on the Tablet PC's touchscreen.	► Check whether the graphics driver settings are correct or whether an external monitor has been detected in "Intel Graphics Media Accelerator Driver for mobile".
The external monitor's power cable or data cable is not connected properly.	► Switch off the Tablet PC and the external monitor. ► Check whether the power cable is plugged properly into the external monitor and into the power socket. ► Check whether the data cable is properly connected to the Tablet PC and the external monitor (if it is plugged in with a connector). ► Switch on the Tablet PC and the external monitor.

The external monitor is blank or the image is unstable

Cause	Troubleshooting
The wrong external monitor has been selected or the wrong screen resolution has been set for the application program.	► Terminate the application program in Windows. If the error persists after terminating the program, use the key combination for switching the screen output in order to switch to the touchscreen of the tablet PC. Change the following setting: ► Set the screen resolution: Set the screen resolution as described in the documentation for your operating system. ► Select monitor: Select monitor 1 or 2 as described in the documentation for your operating system.

The cursor does not correctly follow the pen movements

Cause	Fault elimination
Pen incorrectly calibrated	▶ Calibrate the pen as described in chapters "Setting the pen", Page 27 and "Calibrating the pen", Page 27.

The Tablet PC does not start after switch on

Cause	Troubleshooting
The battery is dead.	▶ Charge the battery. or ▶ Connect the mains adapter to the Tablet PC.
The power adapter is not connected correctly.	▶ Check whether the mains adapter is connected correctly to the Tablet PC. ▶ Switch on the Tablet PC.

The Tablet PC stops working

Cause	Troubleshooting
The Tablet PC is in energy saving mode.	▶ Leave energy saving mode.
An application programme has caused the malfunction.	▶ Close the application program or restart the Tablet PC (by restarting the operating system or switching the device off and back on again).
The battery is dead.	▶ Charge the battery. or ▶ Connect the mains adapter to the Tablet PC.

The printer does not print

Cause	Troubleshooting
The printer is not switched on.	▶ Make sure that the printer is switched on and ready for operation (refer to the documentation supplied with the printer).
The printer is not connected correctly.	▶ Check that the data cable connecting the Table PC to the printer is properly connected.
The printer driver is faulty or not correctly installed, or it is the wrong printer driver.	▶ Check that the data cable connecting the Tablet PC to the printer is properly connected. ▶ Check whether the correct printer driver is loaded (refer to the printer documentation).

The wireless connection to a network does not work

Cause	Troubleshooting
The wireless component is disabled.	▶ Switch the wireless component on (see "Switching the wireless components on and off", Page 36).
The wireless component is enabled. Despite this, the wireless connection to a network does not work.	▶ Check whether the wireless connection is switched on via the software. ▶ Further information on using the wireless component can be found in the help files.

The battery discharges too quickly

Cause	Troubleshooting
The battery is either too hot or too cold. In this case the battery indicator flashes.	▶ Bring the Tablet PC up/down to a normal temperature again. ▶ If the operating time of the battery life is extremely short, the battery is probably too old. Replace battery if necessary.
You may have an application running that consumes a great deal of power due to frequent accessing of the hard disk or optical drive.	▶ Use the mains adapter as frequently as possible.
The maximum brightness may have been set for the screen.	▶ Reduce the brightness of the screen to lower energy consumption: You will find the setting under <i>Control Panel – Hardware and Sounds – Windows Mobility Center</i>.

Acoustic warnings

Cause	Troubleshooting
A beep sounds every few seconds. The battery is almost flat.	▶ Charge the battery.

Error messages on the screen

This section describes the error messages generated by the BIOS Setup. Error messages displayed by the operating system or programmes are described in the relevant documentation.



If the error message appears repeatedly, despite troubleshooting measures, please contact the place of purchase or our customer service centre.

Error message/cause	Resolution
CMOS battery bad If the error message occurs repeatedly, the buffer battery in the Tablet PC is flat.	▶ Contact your sales outlet or our customer service centre.
System CMOS checksum bad - default configuration used The system configuration information is incorrect.	▶ Switch off the Tablet PC. ▶ Switch on the Tablet PC. ▶ In the <i>BIOS Setup</i>, select the <i>Exit</i> menu. ▶ Select the entry <i>Load Setup Defaults</i>. ▶ Select <i>OK</i> and press the Enter key.
Extended memory failed at offset: xxxx Failing Bits: zzzz zzzz When testing the extended memory an error has resulted at the address xxxx.	▶ Contact your sales outlet or our customer service centre.
Keyboard controller error	▶ Switch off your Tablet PC using the ON/OFF button. ▶ Wait 3 - 5 seconds and switch on the Tablet PC again.
Keyboard error	If you are using an external keyboard: ▶ Check the connection and reboot the Tablet PC.
nn Stuck key	▶ Make sure that no key is pressed.
Operating system not found	▶ Check in the <i>Boot</i> menu in <i>BIOS Setup</i>, to ensure that the correct boot sequence is set. ▶ Make sure that the operating system is installed on the corresponding drive.
Press <F1> to resume, <F2> to SETUP This error message appears if an error occurs during the self-test before starting the operating system.	▶ Press the volume down button to start BIOS Setup. or ▶ If you are working with a keyboard, press the F1 or F2 key on the keyboard.
Real time clock error	▶ Contact your sales outlet or our customer service centre.
nnnnK Shadow RAM failed at offset: xxxx Failing Bits: zzzz	▶ Contact your sales outlet or our customer service centre.
System battery is dead - Replace and run SETUP	▶ Contact your sales outlet or our customer service centre.
System cache error - Cache disabled	▶ Contact your sales outlet or our customer service centre.
System timer error	▶ Contact your sales outlet or our customer service centre.

Restoring the system under Windows 10

If necessary, you can reset your system to the original state of the hard disk.

- ▶ Select *Settings* from the Start menu.
- ▶ Select *Update & security*.
- ▶ Select *Recovery*.
- ▶ Select according to your requirements from the options given.

Technical data

Tablet PC

General	
Processor	Intel® Pentium® Silver Processor
Main memory	8 GB onboard
Electrical data	
Protection class	II
Maximum power consumption (when the Tablet PC is switched on and the battery is being charged):	with keyboard dock: 36 W with cradle: 90 W
Touchscreen	
Size	10.1" Full HD Antiglare
Resolution	1920 x 1200 / 16 million colours
Pixel class	II
Brightness control	11 levels
Cameras	• Front: 2 mega pixels, with status indicator • Back: 8 megapixels, mobile light
Graphics card	
Chip	Intel® UHD Graphics
Maximum resolution on external display:	USB Type-C: 3840 x 2160
Dimensions	
Width x depth x height	262,8 x 168,7 x 12,3 mm 10,35 x 6,64 x 0,48 inch
Weight depending on configuration	from 600 g / 1.33 lbs
Input devices	
Tablet buttons	4 keys
Pen	Pen with 2 pen buttons
Slots	
Memory card slot	1 x microSD
SIM card slot (configuration-dependent)	1 x MicroSIM
Ports	
Combined headphone and microphone port	3.5 mm stereo mini jack
Docking port	1 x
USB (Universal Serial Bus)	1 x USB port 3.2 Gen1 (USB Type-A) 1 x USB port 3.2 Gen1 (USB Type-C) with charging function and Display port

Ambient conditions	
Environment class DIN IEC 721	7K1
Mechanism class DIN IEC 721	7M2
Operating temperature	5 °C 35 °C / 41 °F 95 °F
Transport temperature (2K2)	–10 °C 60 °C / 5 °F 140 °F
Relative humidity	20% 80 % (no condensation)
Operating height	up to 3048 m

Screen resolutions for integrated screen and external screens

Max. number of screens	Number of external screens	Integrated monitor WUXGA 1920x1200	Monitors System- interface USB Type-C 3840x2160@ 60 Hz	Ports on the cradle	
				VGA (*) 1920x1200 @60Hz	DP 1920x1200 @60Hz
2	1	ON	ON	-	-
		ON	-	-	-
		ON	-	-	-
2	1	-	ON	ON	-
		-	ON	-	ON

* with Reduced Blanking

Rechargeable battery



You can find information on the batteries used in your device on the Internet at ["http://www.fujitsu.com/fts/support/"](http://www.fujitsu.com/fts/support/).

	2-cell lithium-ion rechargeable battery 4250 mAh
Nominal voltage	7.2 V
Rated capacity	31 Wh
Type	Lithium ions
Interchangeability	By authorised service provider

	Button Cell battery CR1620 0.24 Wh
Type	Lithium metal
Interchangeability	By authorised service provider

Mains adapter (36 W) for the Tablet PC with/without the keyboard docking

Primary	
Nominal voltage	100 V to 240 V (automatic)
Nominal frequency	50 Hz to 60 Hz (automatic)
Maximum rated current	1 A
Secondary	
Nominal power	36 W
Nominal voltage	12 V
Maximum rated current	3 A

An additional mains adapter or power cable can be ordered at any time.

Mains adapter (90 W) for the Tablet PC with cradle

Primary	
Nominal voltage	100 V to 240 V (automatic)
Nominal frequency	50 Hz to 60 Hz (automatic)
Maximum rated current	1.5 A
Secondary	
Nominal power	90 W
Nominal voltage	19 V
Maximum rated current	4.74 A

An additional mains adapter or power cable can be ordered at any time.

Cradle (optional)

Electrical data	
Protection class	
Anschlüsse	
Docking port	7-pin
Display port	1 x
VGA Display Port	1 x
Maximum resolution on an external monitor	1920 x 1200 (VGA or DisplayPort)
USB (Universal Serial Bus)	3 x USB 3.2 Gen1 (Type A)
LAN port	1 x
Security Lock device	1 x
Ambient conditions	
Environment class DIN IEC 721	7K1
Mechanism class DIN IEC 721	7M2
Operating temperature	5 °C 35 °C / 41 °F 95 °F
Transport temperature	-10 °C 60 °C / 5 °F 140 °F
Relative humidity	20% 80 % (no condensation)
Operating height	up to 3048 m

Keyboard dock (optional)

Electrical data	
Protection class	II
Anschlüsse	
Docking port	7-pin
LAN port	1 x
Ambient conditions	
Environment class DIN IEC 721	7K1
Mechanism class DIN IEC 721	7M2
Operating temperature	5 °C 35 °C / 41 °F 95 °F
Transport temperature	-10 °C 60 °C / 5 °F 140 °F
Relative humidity	20 % ... 80 % (no condensation)
Operating height	up to 3048 m

Manufacturer's notes

Disposal and recycling

If the battery is not replaceable by the user, have it replaced and disposed of by an authorized service provider.

You can find information on this subject on your notebook or on our website ("<https://www.fujitsu.com/emeia/about/local/csr/recycling/>").

TCO Certified

Please note that TCO-certified systems bear the "TCO certified" logo. Further information is given in the "TCO certified" manual appendix at "<http://support.ts.fujitsu.com/Manuals/>".

SAR limit value (Specific Absorption Rate)

Body SAR value < 2W/kg

Other certification markings

Any other certification markings are listed in the "Manual Appendix - Additional Certifications" supplement.

If such markings are available, you can find the supplement on the Internet at "<http://support.ts.fujitsu.com/Manuals/>" with the Operating Manual for your device.

Index

A

Acoustic error messages 73
Alt + Tab 52
Anti-theft protection 55
Audio ports 64

B

Back tab 52
Backspace 48
Battery
 battery life 31
 caring for and maintaining 31
 charge level 31–32
 charging 31
Battery status meter 31
Battery:
 discharges too quickly 73
Before you travel 14
BIOS Setup Utility
 calling 65
 exiting 66
 operating 65
 protecting with password 56
 settings 65
Bluetooth, safety notes 12
Buttons 48

C

Camera 30
Caps Lock 49
Certification markings 80
Cleaning 15
Configuration, BIOS Setup Utility 65
Connecting audio devices 64
Connecting headphones 64
cradle
 Connecting a Tablet PC 41
Cradle 39
Ctrl+Alt+Del 52
Cursor control 49
Cursor keys 49

D

Date is incorrect 69
Device
 setting up 17
Display orientation
 selecting 24
Display port 60

E

Energy
 energy saving 13
Energy saving 13
Energy saving mode
 leaving 71
Enter 49
Enter key 49
Error message:
 on the screen 73
Error messages on the screen 73
Errors
 Acoustic warnings 73
Ethernet LAN 37

F

Fault
 correction 67
Fingerprint sensor 54
 configure 54
First-time setup 16
Fn key 49
Fn+F10 51
Fn+F3 51
Fn+F4 51
Fn+F67 51
Fn+F7 51
Fn+F8 51
Fn+F9 51

G

Getting started 16
GPS 37

H

Hardware configuration 65

I

Important notes 12
Incorrect date/time 69

K

Key combinations 51
Keyboard 48
 cleaning 15
Keyboard dock
 connecting the Tablet PC 44
 Ports 43

- L**
- Landscape orientation
 - screen 24
- LCD screen
 - decrease brightness 51
- Life, battery 31
- Line feed 49
- Loudspeakers
 - switch off 51
 - switch on 51
- M**
- Mains adapter
 - connecting 17
 - setting up 17
- Memory card
 - handling 32
 - inserting 33
 - removing 33
- Mobile operation 14
- Monitor
 - connecting 61
 - drifting display 70
 - remains blank 70
- Monitor port
 - see VGA connection socket 61
- N**
- Notes 12
 - cleaning 15
 - disposal / recycling 80
 - energy saving 13
 - Safety 12
 - touchscreen 22
 - transport 14
- Num Lock
 - indicator 50
- Numeric keypad 48
 - see Virtual numeric keypad 50
- O**
- Operating system
 - activating system protection 57
 - cancel system protection 57
 - protecting with password 57
- P**
- Packaging 16
- Password
 - changing 56
 - entering 56
 - removing 57
- Password protection 55
- Pen 25
- Portrait orientation
 - screen 24
- Ports 39
 - Keyboard dock 43
- Power
 - power consumption 32
 - power-management features 32
- Power-on indicator 21
- Preparing for operation 17
- Printer does not print 72
- R**
- Rechargeable battery 31
 - see Battery 31
- Return 49
- S**
- Safety notes 12
- SAR 80
- Screen
 - no screen display 70
- Screen brightness
 - decrease 51
 - increase 51
- Screen port
 - see VGA connection socket 61
- Security functions 53
- Security Lock
 - anti-theft protection 55
 - Using 55
- Selecting a location 17
- Setup
 - see BIOS Setup Utility 65
- Shift 49
- Shift + Tab 52
- Shift key 49
- Slot
 - Memory cards 32
- Status indicators 19
- Summer time 69
- Supervisor password
 - changing 56
 - entering 56
 - removing 57
- Switching off
 - Tablet PC 22
- Switching on for the first time 18
- Symbols
 - indicators 19

System configuration 65
System settings, BIOS Setup Utility 65

T

Tab key 48
Tablet PC
 cleaning 15
 transporting 14
 using 19
Tablet PC, operation 19
Tablet PC: switching on 21
TCO Certified 80
Technical specifications
 Mains adaptor 78
The Tablet PC
 cannot be started 71
 doesn't work. 71
The wireless connection to a network
 does not work 72
Time not correct 69
Time, daylight savings 69
Tips 67
Toggle output screen 51
Touchpad 46, 51
 buttons 46
 cleaning 15
 dragging items 47
 executing commands 46
 moving the pointer 46
 selecting an item 46
 switch off 51
Touchpad buttons 51
Touchscreen
 cleaning 15
 difficult to read 69
 notes 22

 reflected glare 69
 remains blank 69
touchscreen is too dark 69
TPM 58
Transport
 Transport damage 16
Transportation 14
Travel 14
Troubleshooting 67
Trusted Platform Module 58

U

USB connection with charging function
 (USB Type-C™) 63
USB ports 62
User password
 changing 56
 entering 56
 removing 57

V

VGA connection socket 61
Virtual numeric keypad 50
Volume
 decrease 51
 increase 51

W

Windows key 49
Wireless component:
 safety notes 12
Wireless LAN:
 safety notes 12