

For the Safe Use of This Product: Read This Manual First

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Socionext Inc.

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Read This First

This assembly kit is intended for the use of software developers and device designers. Due to the nature of this product, Socionext cannot guarantee the safety of the user during assembly and regarding the operations of the unit after assembly. For this reason, we ask that you use this product at your own risk, after having ensured your own safety.

WARNING

**These are points of warning regarding product liability (PL) laws.
Be sure to observe these points when using this device.**

CAUTION

These are points of caution regarding product liability (PL) laws.

The items that users must observe are listed in the manner below, in order to prevent putting those assembling this product, as well as those who use this product and other people in danger, and to prevent damage to property.

- The level of harm or defects that may occur as a result of ignoring the label contents and improperly using this product are categorized and explained as follows.

DANGER

The space on this label indicates a situation that will lead to imminent danger, such as serious injury or death.

WARNING

The space on this label indicates a situation that could lead to serious injury or death.

CAUTION

The space on this label indicates a situation that may lead to injury or physical damage to other objects.

- The types of details that must be observed are explained using the following icons (only some of the icons are shown).



This type of icon indicates actions that must not be taken (prohibited actions).



This type of icon indicates actions that must be taken (compulsory actions).

Product Certifications

Each of the components of this product are certified as follows.

Component name	Model number	Certifications
Mother Board	MZSC2AM	FCC Certification Class A, CE Certification
Chassis	IW-BK623	FCC Certification Class B, RoHS Directive, CE Certification
DRAM	CT4G4DFS824A	CE Certification
Graphic Card	GT710-SL-1GD5	ICES-003 (Canada) Certification Class B CE, UL (Recognition), FCC, VCCI Certification
HDD	WD10EZEX	ICS-003 (Canada) Certification Class B CE, UL (Recognition) Certification

This product conforms to Class A when assembled.

Use of this product in a household environment may cause electronic interference with radios or televisions. In such a case, the user may be asked to take the appropriate measures to prevent this.

Use of This Product in Safety-Critical and General Applications

This product was designed and manufactured to be used during development by software developers and device designers. As such, it was not designed and manufactured to be used in the following applications.

- Applications that require an extremely high degree of safety and which directly carry serious risk of life or bodily harm (hereafter called “safety-critical applications”) in the event that said safety is compromised, including: nuclear reaction controls inside of nuclear power facilities, automated flight control systems used in aircraft, air traffic control systems, operational control of large-scale transport systems, medical equipment used for life support, missile launch controls used in weapons systems and the likes.
- This product is not designed and manufactured for use in general offices, for personal or for household use (hereafter called “general use”). Do not use this product without ensuring that measures are taken to ensure safety, which are required by said safety-critical applications and general use applications.

Points of Caution regarding Assembly

DANGER



Prepare a sufficient amount of space when assembling this product, and perform the work in good physical and mental health.

Working with insufficient space may cause you to work in an uncomfortable way, resulting in injury due to improper use of tools, getting your hands pinched in the case, or becoming seriously injured by bumping into other objects. Also, if you are not in a healthy condition when working, your attention may falter, which could result in a lapses of concentration on your work, or serious injury or death due to a loss of attention.

WARNING



Use caution not to allow small children to handle the components.

Touching the frame materials may result in injury. Also, swallowing small parts could result in suffocation or injury.



Do not step on or place heavy objects on the case.

The case may break, and you may be injured as a result. Use extra care with small children.



Use caution in regard to safety when checking the operation of this product after assembly, to avoid unintentional accidents.

Due to the nature of assembly kits, Socionext cannot guarantee the safety of the user when checking the operations of this unit after assembly. For this reason, you should anticipate unintended accidents such as injuries, electric shock, burns and so on when checking operations. As a countermeasure, the users themselves must give consideration to safety. Please use caution.



Recognize the dangers of a short circuit on the mounted parts on the circuit board.

Since this product features an exposed circuit board, there is a greater danger of easily short-circuiting the mounted electronic components by touching them with a conductive material. Short circuits can cause the battery or wiring to catch on fire. This could also occur due to improper connections. Use sufficient caution during assembly.



Do not disassemble or modify the circuit board.

You must never disassemble or modify the circuit board, apart from the instructions shown in the assembly guide. Disassembling the circuit board may cause product failure, which can result in electric shock or fire. Socionext reserves the right to refuse repairs of products that have failed due to being modified by the user. Contact Customer services at Socionext in the event that this product fails.



Do not turn the unit on until it has been installed into the case and wired.

Turning the power of this unit on when the motherboard is exposed by itself may result in electric shock or other dangers. Further, if a short circuit occurs on the circuit board due to coming into contact with metal or other foreign objects, the unit may become hot or catch on fire. To prevent this, install all parts including the motherboard into the case before turning on the power.

CAUTION



Hold both edges of the circuit board when handling.

The front side of the circuit board includes sharp protrusions at the solder points, which could cause injury if touched. Also, touching the electronic components on the circuit board may damage these components due to static electricity, which could result in product failure.

Points of Caution after Assembly

WARNING



Use caution in regard to safety when operating this product after assembly, to avoid unintentional accidents.

Due to the nature of assembly kits, Socionext cannot fully guarantee the safety of the user when operating this unit after assembly. For this reason, users must give consideration themselves to safety, in order to anticipate and avoid the possibility of personal injury, electric shock, burns or other such dangers. Please use caution.



Remove the power connector immediately in case of any abnormalities.

- Damage to the unit. • Foreign matter has gotten into the unit.
- Smoke is coming out. • A strange smell is present.
- The unit is heating up abnormally.

Using this product while any of the above abnormal conditions are occurring may result in fire or electric shock.

- In the event of abnormalities, stop using this product immediately and contact Customer service at Socionext.



Do not do anything that might damage the cable.

Do not damage or remanufacture the cable, and do not place it near a heater or apply excessive force to the cable during use.

Using a damaged cable may result in fire or electric shock.

In the event that the cable is damaged, immediately remove the power cable from the outlet, and contact Customer service at Socionext for repairs.



Remove the power plug from the outlet when this product is not in use.

Remove the power plug from the outlet when the unit is not in use.

It may cause fire or electric shock.



Periodically wipe off the power plug to remove any dust or dirt.

A considerable amount of dust or dirt on the connecting part of the plug may cause a fire. Periodically clean the plug to remove any dust.



Do not get the product wet or expose it to high humidity or condensation.

As precision electronic parts are used in the components of this product, getting the product wet will result in failure.

Doing so may also result in electric shock or a fire due to a short circuit.

- In the event that moisture or condensation has come into contact with this product, stop using this product and contact Customer service at Socionext.



Do not place containers filled with liquid near this product.

Doing so may result in spills, which could cause a fire or electric shock if the liquid gets into this unit.



Do not store this unit in a place exposed to direct sunlight, or to hot places such as next to a stove or heater.

Doing so may cause the temperature to rise inside the unit, resulting in a fire.



Do not throw used batteries into fire or disassemble them.

Doing so may generate heat or cause a fire.

This product uses one coin-shaped lithium battery. As the batteries do not contain mercury, they are not recyclable, and can be disposed of along with other non-combustible trash in the same way as regular dry-cell batteries.

Dispose of the batteries according to the rules in your local municipality.

Place a piece of tape over the terminals to insulate the battery, in order to prevent any remaining battery charge from heating the battery up or starting a fire.

 **CAUTION**



Grasp the plug when pulling out cables.

If you pull out a cable by tugging on the cable itself, this may break the wire or cause a short circuit, which could result in electric shock or fire.



Do not operate this product in an unstable location.

The unit may become unbalanced and tip over, which could cause the product to fall and injure someone.



This product may not be used in applications concerning human life, or for applications that require an extremely high level of reliability.

Do not use this product on medical equipment that has a direct impact on human life, in systems that require an extremely high level of reliability (such as trunk line telecommunication equipment and computing systems, aeronautics or nuclear power-related uses). Doing so may cause significant social disturbances.



Turn off the power and remove the cable during bad weather accompanied by lightning storms.

Lightning surges caused by such storms may filter in through the cable and damage the semiconductor parts inside of this product. In the event of a sudden blackout due to a power supply-related accident at a power generating facility, the hard disk and other components may incur damage. As a countermeasure, turn off the power and remove all cables.



Do not block the ventilation ports of this product.

Doing so may cause heat to build up inside of the unit, which could cause a fire.

Do not place this product in the following locations.

- Inside of poorly-ventilated and narrow places, such as a closet or bookcase
 - On top of carpet or bedclothes
 - Do not place objects made of cloth such as blankets or tablecloths on top of this unit
- When setting up this product near a wall, be sure to maintain a distance of at least 10 cm from the wall and the product..