

## Chapter

## 1

## Service Overview

*Carefully read through this chapter for a look at various components of the notebook and necessary cautions and tools before performing any service and repairs.*

To provide the best service and support for the ASUS S6Fm Series, we have provided the below information for technicians from distributors and resellers to perform the complete notebook disassembly and assembly. But before performing the procedures, please be sure to read through the overview in this chapter for component overview, cautions and tools to avoid any unwarranted damages to the notebook's hardware.

The following chapter includes:

- S6Fm Overview
- Components
- Precautions
- Appropriate Tools

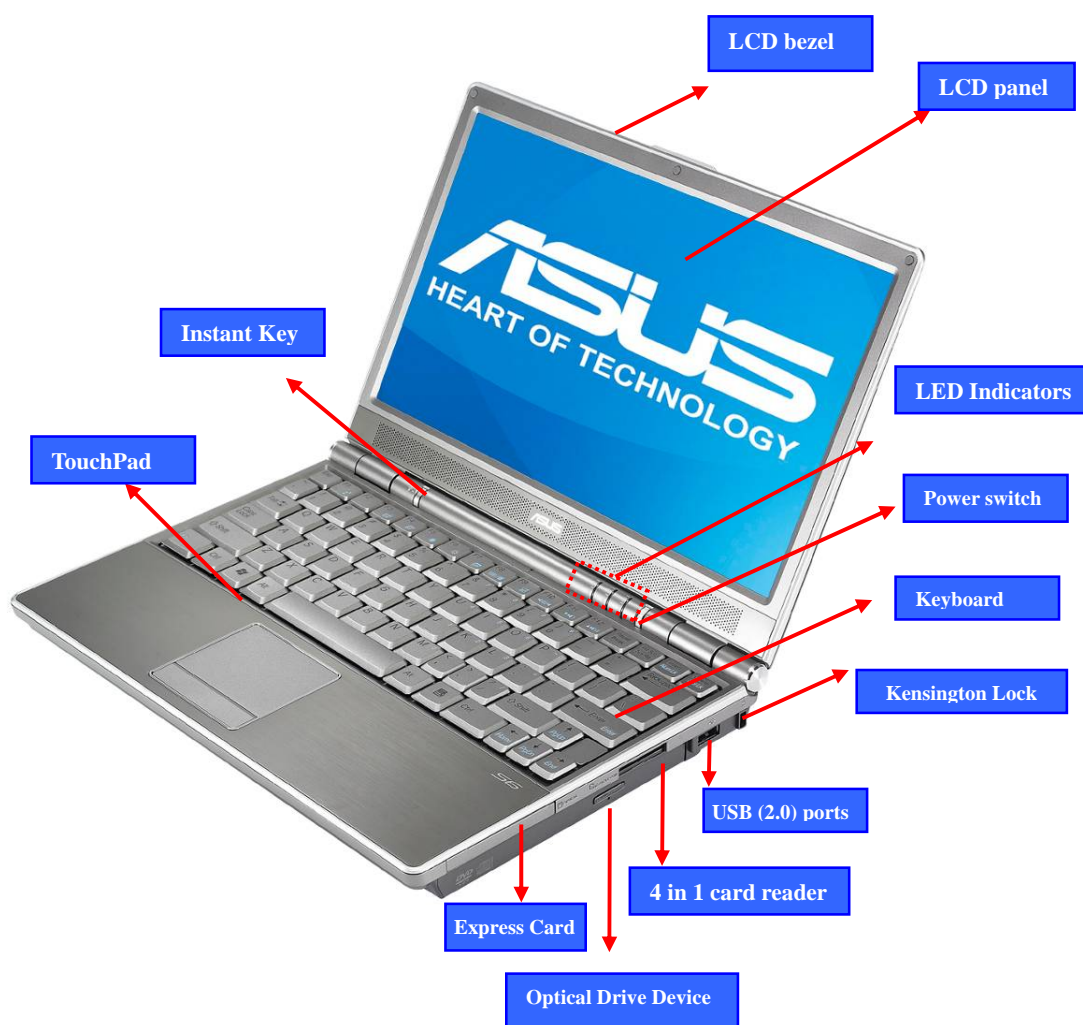
## S6Fm Series Overview and Components

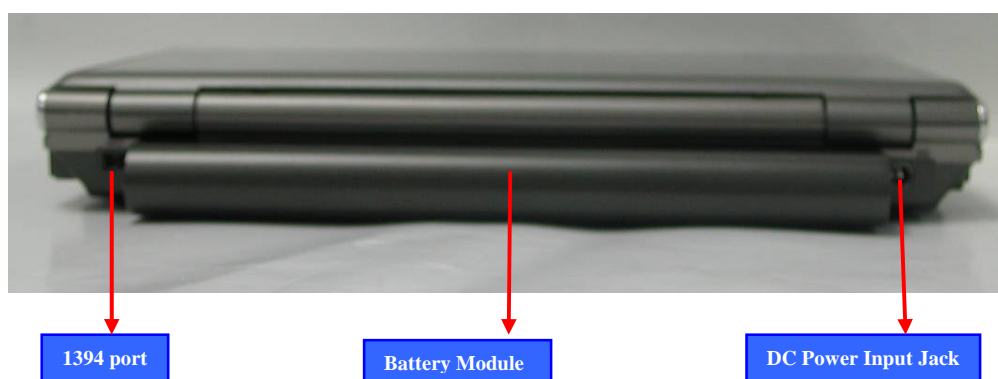
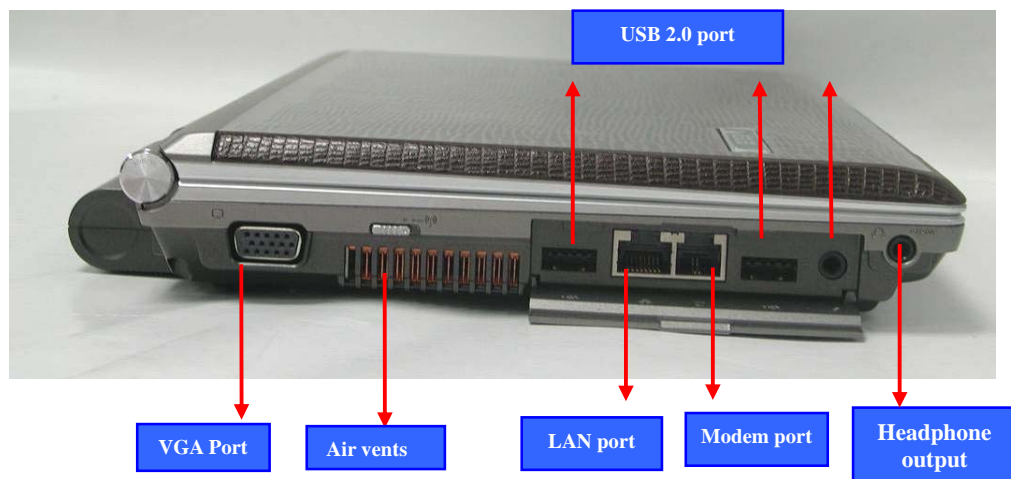
The ASUS S6Fm Series Notebook is a product combining the power of Intel® Pentium-M CPU. In this section, an overview for the S6Fm, along with its components, will be presented.

### OVERVIEW

#### S6Fm Overview

The illustrations below show the notebook's overview from front view, right side view, left side view, and rear side view. Most of the parts will be discussed in this manual.





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**COMPONENTS**


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**L C D**


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## Components

The illustrations below show the components of the S6Fm Series.

### LCD Panel\*

The illustration below shows the LCD display panel. The S6Fm Series notebook comes with 11.1" TFT LCD Panel.




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**I N V E R T E R  
B O A R D**


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### Inverter Board

The illustration below shows the inverter board, which is hidden underneath the lower edge of the LCD front bezel.



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 LCD CASE
 

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**LCD Case**

The illustration below shows the LCD case. Here is the LCD bezel and LCD back cover.




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 KEYBOARD
 

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**Keyboard**

The illustration below shows the keyboard plate. It can be exchanged with keyboard plates with different language layouts, such as U.S., German, Russian, British, Italian and others.



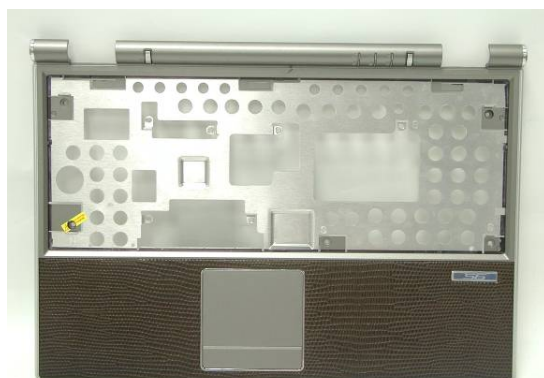

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 TOP CASE
 

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**Top Case Module**

The illustration below shows the top case of the notebook.



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 BATTERY
 

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**Battery Pack**

The illustration below shows the battery pack of the notebook. It's located at bottom of the notebook.




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 OPTICAL  
DRIVE  
DEVICE
 

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**Optical Drive Device**

The illustration below shows the Optical Drive Device




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 HDD
 

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**Hard Disk Drive**

The illustration below shows the 2.5" industry-standard HDD with 9.5mm height.



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HDD BRACKET

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**HDD Bracket**

The illustration below shows the HDD Bracket that is placed over the HDD.




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CPU  
THERMAL  
MODULE

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**CPU Thermal Module**

The illustration below shows the thermal module for the CPU. It's located on the top of CPU.




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MEMORY

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**Memory Module**

The illustration below shows the industry-standard 200pin SO-DIMM DDR SDRAM module for the notebook.





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M O T H E R B O A R D

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**Motherboard**

The illustration below shows the motherboard of the notebook.




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M O D E M  
M O D U L E

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**Modem Module**

The illustration below shows the modem module of the notebook.




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W A L N  
M O D U L E

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**WALN Module**

The illustration below shows the WALN module of the notebook.





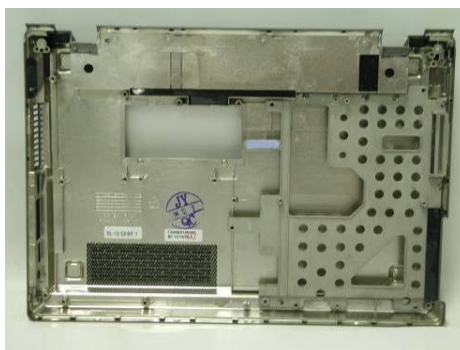
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B O T T O M  
C A S E

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### Bottom Case

The illustration below shows the bottom case of the notebook.



## Service Overview

Please pay special attention to the cautions below to prevent any damages to the notebook and also please be sure to select the appropriate tools described in this section to perform any services desired.

### CAUTIONS

### Precautions

Before you perform any service and/or repair on the notebook, please follow the steps below first.

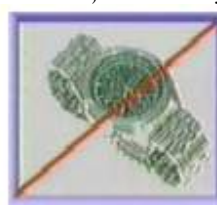
1. Be sure that the notebook is powered down.
2. Disconnect the AC plug from the notebook



3. Turn the notebook over. Unlock and hold the latches, and remove the battery .



3. Remove all rings, watches and any other metal objects from your hands.



4. Always wear a ground strap on your hand to protect the notebook from static discharge.

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**TOOLS**


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## Appropriate Tools

The illustrations below show the appropriate tools that should be used for the notebook's service and repair.

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**CROSS  
SCREW-  
DRIVER**


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### Phillips-head Screwdriver

Use a Phillips-head screwdriver to fasten/remove the K- or B-typed screws.




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**FLATHEAD  
SCREW-  
DRIVER**


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### Single-Slotted Screwdriver

Use a single-slotted screwdriver to lock/unlock the flexible cable connector locks




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**TWEEZERS**


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### Tweezers

Use a pair of tweezers to remove/insert flexible cables.




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**INSERTION  
AND  
EXTRACTION  
TOOL FOR  
FPC  
CONNECTOR**


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### Insertion and extraction tool for FPC connector

Use insertion and extraction tool for FPC connector to handle locking and unlocking of FPC connectors.




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**VACUUM  
HANDLING  
TOOL**


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### Vacuum Handling Tool

Use Vacuum handling tool to handle CPU.




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**SPACER  
SCREW-  
DRIVER**


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### Spacer Screwdriver

Use a spacer screwdriver to fasten/remove spacer screws or hex screws.

