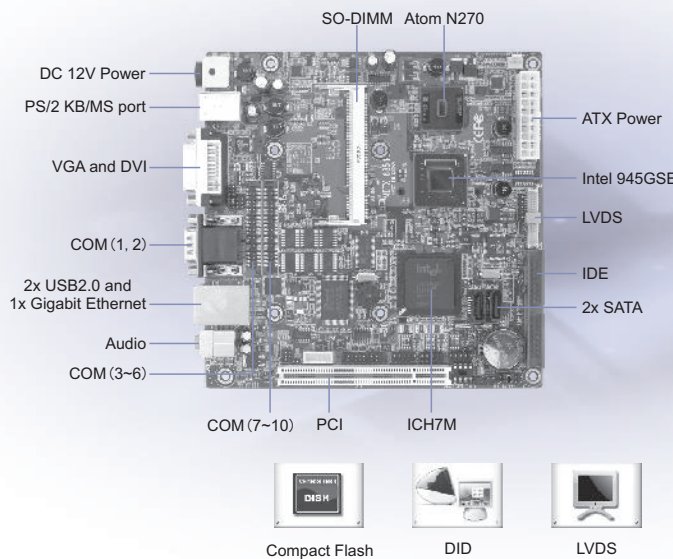


# MITX-6854

## Intel 945GSE based Mini-ITX Motherboard



### Features :

- Intel®945GSE+ICH7M based, onboard Intel® Atom N270 Processor with 533MHz FSB
- 1x 200-Pin DDR II 400/533MHz SO-DIMM up to 2GB
- 18-bit Dual channel LVDS (DVI)/VGA Display Output
- VGA+DVI, VGA+LVDS support dual independent display
- 1x 10/100/1000Mbps Ethernet
- 1x IDE/2x SATA/8x USB2.0/1x Mini PCI-E/ 1x PCI/10x COM/1x LPT

### Specifications

System	
Product Type	Mini-ITX
Processor	Onboard Intel®Atom N270 Processor with 533MHz FSB
System Memory	1x 200-Pin DDR II 400/533MHz SO-DIMM up to 2GB
Chipset	Intel®945GSE+ICH7M
I/O Chipset	Winbond W83627HF
Ethernet	Realtek 8111C, 10/100/1000Mbps, 1x RJ-45
BIOS	8M-bit SPI Flash BIOS
Wake On LAN	Yes
Watchdog Timer	Generates a time-out system reset
H/W Status Monitoring	Supports Power Supply Voltages, Fan Speed and Temperature Monitoring
Expansion Interface	1x PCI, 1x Mini PCI-E
Battery	Lithium battery
Power Requirement	Single power(+12V)/ ATX
Board Size	6.69"×6.69"(170mm×170mm)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 95% relative humidity, on-condensing
Display	
Chipset	Intel®945GSE integrated
Memory	Shared system memory up to 224MB
Resolutions	Up to 2048×1536 @85 Hz for CRT Up to 1600×1200@60 Hz for LCD
VGA	1x DB15
LCD Interface	Optional 24-bit LVDS
DVI	Optional 18-bit DVI
TV-OUT	N/A
Dual-Display	VGA+LVDS/VGA+DVI dual independent display supported (DVI and LVDS combination not included)
I/O	
Storage	1x IDE(UDMA 100), 1x Type II Compact Flash, 2x SATA
Serial Port	9x RS-232, 1x RS-232/422/485
Parallel Port	SPP/EPP/ECP mode
USB	8x USB2.0
Keyboard and Mouse	1x Keyboard Port, 1x Mouse Port
Digital I/O	Support 24 -bit digital I/O, 12-bit for input and the other 12-bit for output (programmable)
IrDA	1x IrDA Tx/Rx Header
Audio	Realtek ALC888, HD Audio 7.1CH

### Packing List

- **0042541219**  
Jumper
- **0550410019**  
IDE Cable
- **0600400019**  
Keyboard/Mouse Cable
- **0260560019**  
Seria port cable
- **0470120009**  
SATA Cable
- **0360250019**  
USB Cable with shielding
- **0260280019**  
Parallel Port Cable
- **0260280019**  
Parallel Port Cable
- **0710350070**  
Audio Cable
- **Utility CD**
- **User's Manual**
- **Warranty card**
- **MITX-6854**

### Ordering Information

- **MITX-6854-V10**  
Mini-ITX board, AT/ATX, On board CPU, Intel ATOM N270, DDR II 533/667MHz, VGA+DVI/LVDS, 1x Giga LAN, 8x USB, 10x COM, 1x IDE, 2x SATA, 1x LPT, 1x PCI Slot, Audio, 1x CF, Version 1.0

### Optional Accessories

- **AFC-360P-0460910009-V10**  
PCI to 6 RS232, Ver1.0
- **AFC-410T-0413920039-V20**  
LVDS to TTL
- **AFC-410D-0413920029-V20**  
LVDS to DVI
- **AFC-410V-0413920019**  
LVDS to VGA