



Features

- Socket PGA988B, Intel Core i3/i5/i7 processors
- High speed 6Gb / Sec SATA3
- CFast device supported (optional)
- ADOtec designed 120 Pin PCIe x16 and 40 Pin PCIe x1 expansion interface
- Wide Range DC 9~32V input

Specifications

System

Form Factor	Mini-ITX
Processor	Socket G2, 2nd Gen Intel Core i3/i5/i7 Processor
System Chipset	Intel QM67 PCH
System Memory	2 x 204 Pin 1066/1333 MHz, DDR3 SO-DIMM, up to 16GB
BIOS	AMI BIOS

Display

Controller	Intel HD Graphics 2000/3000
VGA Interface	2 x 5 Pin header
TTL/LVDS Interface	1 x 18/24-bits dual channel LVDS
DVI Interface	1 x DVI-I
HDMI Interface	1 x HDMI
Resolution	Up to 2560 x 1600 for DVI-I Up to 1600 x 1200 for single 18/24-bit LVDS Up to 2048 x 1536 for dual 18/24-bit LVDS Up to 1920 x 1080 for HDMI

Mechanical & Environment

Board Size (L x M)	170mm x 170mm (6.7" x 6.7")
Gross Weight	0.4kg(0.88lb)
Operating Temperature	Standard : -20°C~70°C (-4°F~158°F) Optional : -40°C~85°C (-40°F~185°F)
Storage Temperature	-40°C~85°C (-40°F~185°F)
Humidity	10%~90%, non-condensing, operating
EMI / EMS	Meet CE/FCC Class A

Expansion

Expansion	120 Pin Socket for PCIe x 16 expansion 2 x PCIe extend by 4 x 10 Pin Socket 1 x mini PCIe slot, support devices with USB 2.0 1 x CRT 2 x 5 Pin header
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Ordering Information

ASB-M8671	Mini-ITX, Intel QM67, 2 x DDR3 slots, DVI-I, 24-bit LVDS, HDMI, 6COM, 11USB 2.0, 2GBbE LAN, 4SATA
TB-522	Rear-IO/2USB/2COM/CF/DF-13-40P/TB-522
TB-523	Rear-IO/1USB/2COM/CF/GPIO, 4 x In, 4 x Out / DF-13-40/TB-523
TB-525 Series	Riser Card For ASB-M8771T
TB-526 Series	Riser Card For ASB-M8771B

I/O

Super I/O	Winbond W83627UHG
Ethernet	2 x GbE ports by RJ-45 with Intel 82574L Controller
USB	4 x USB 2.0 (Type A) stack ports 7 x USB 2.0 Pin header 1 x USB 2.0 internal for mini PCIe
Serial	1 x RS-232/RS-422/RS-485 (COM1), DB-9 Connector on I/O, Pin 9 with 5V/12V Ring select 1 x RS-232 (COM2), DB-9 Connector on I/O, Pin 9 with 5V/12V Ring select 1 x RS-422/485 (COM3) header 3 x RS-232 by header (COM4/5/6), Pin 9 with 5V/12V Ring select for COM6
GPIO	8-bits digital I/O by header (4 x DI, 4 x DO)
Storage	2 x SATA2 connectors 2 x SATA3 connectors 1 x CFast connector (optional) 1 x MSATA connector (optional)
Audio	2 x Stack Audio Jack, Realtek ALC662, Line-out, MIC-in
KB/Mouse	1 x PS/2 KB/MS by MIO2
CMOS Battery	1 x 2 Pin header support CR2477 (1000mAH)

Power Management

Power Input	Wide Range DC 9~32V input
Power Connector	1 x 3 Pin power input connector

Dimension

