

# SYS76989VGGA

Intel QM77 Mini-ITX w/VGA/DVI/HDMI/2GbE/Audio

## ■ Features

Support Mobile 2nd/3rd Intel Core i3/5/i7/Celeron Processor

Intel QM77 Chipset

2 x SO-DIMM DDR3 Memory up to 16GB

2 x Intel Gigabit LAN Controller

4 x COM port, 8 x USB2.0, 4 x USB3.0

1 x 18/24bit Dual Channel LVDS

1 x Mini PCIe slot, 1 x mSATA slot



## ■ Specifications

### >> SYSTEM

Processor	Mobile Intel Core i3/5/i7/Celeron (Sandy and Ivy bridge) Processor
Chipset	Intel HM76 or QM77 chipset
DRAM	2 x 204pin SO-DIMM DDR3 1600/1333MHz up to 16GB
BIOS	AMI uEFI BIOS (16Mb SPI flash ROM)
Power Supply	ATX power Input
Watchdog	Watchdog timer function
Dimension	170mm x 170mm

### >> I/O Ports

HDD	2 x SATA2.0 ports up to 3Gb/s + 2 x SATA 3.0 up to 6.0Gb/s
SSD	1 x mSATA Connector , 1x CFast Connector
Serial Port	4 x COM ports (3 x RS232 + 1 x RS232/422/485)
Audio	Realtek ALC887 HD Audio Codec,
Keyboard/Mouse	1 x PS/2 Keyboard and Mouse Port Connector
LAN	1 x Intel 82583V + 1 x Intel 82579LM PCI-E Gigabit controller
USB	8 x USB2.0 + 4 x USB3.0
Digital I/O	4-In, 4-Out
Expansion	1 x Mini PCIe expansion slots , 1 x PCIe 16x Slot

### >> Display

Graphics	Intel Integrated Graphics Engine with HD Graphics
VGA	Up to 2048 x 1536@ 75Hz maximum resolution
eDP	Up to 2560 x 1600@ 60Hz maximum resolution
DVI-D	Up to 1920 x 1200@ 60Hz maximum resolution
HDMI	Up to 1920 x 1200@ 60Hz maximum resolution
LVDS	18/24bit Dual channel LVDS, Resolution up to 1920 x 1200@ 60Hz

### >> Environment

Operation Temperature	0°~60°C
Humidity	10~90%

## ■ Ordering Information

Model	Description
SYS76989VGGA	Intel Sandy/ Ivy Bridge Mini-ITX w /VGA/DVI-D/eDP/HDMI/LVDS/2GbE/Audio/4COM

