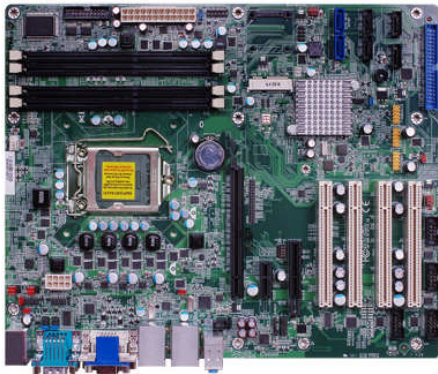


# MB-8482G2V

## Intel® Core™ i7/5/3 Processor Based Industrial ATX Motherboard with 12x USB 2.0 /6x COM Ports/ VGA/DVI / Dual Gigabit LAN



### FEATURES

- Intel® Core™ i7/5/3 Processor in Socket 1155
- 4 x 240-pin DIMM sockets Dual-channel DDR3 1066/1333 SDRAM. Max. up to 32 GB memory
- Intel® Intel® Q67 PCH (Platform Controller Hub)
- Dual Intel® W82574L/ W82578DM on board for Dual GbE LAN
- Integrated Intel® HD Graphics with VGA/DVI-I connectors
- RealTek® ALC886 5.1 Channel High Definition Audio chip on-board
- Multi I/O: 12 x USB2.0, 6 x COM ports, 6 x SATA, 1x PIDE
- Expansion Slot: 1 x PCIe x16, 1 PCIe x4, 1 PCIe x1 or 1 Mini PCIe x1 and 4 x PCI slots

### Introduction

Industrial Motherboard MB-8482G2V based on the Intel® Q67 Chipset, supports Intel® Core® i7/5/3 Processor. Integrated with Intel® HD Integrated Graphic Controller, 6x Com Port, 12 x USB 2.0, 6 x SATA & 1x PIDE. MB-8482G2V is ideal for developing high-performance systems for industrial control and Automation.

### Specification

System	
Processor	<ul style="list-style-type: none"> <li>• LGA 1155 socket for:               <ul style="list-style-type: none"> <li>- Intel® Core™ i7-2600 (3.4GHz, 95W)</li> <li>- Intel® Core™ i5-2400 (3.1GHz, 95W)</li> <li>- Intel® Core™ i3-2120 (3.3GHz, 65W)</li> </ul> </li> </ul>
BIOS	<ul style="list-style-type: none"> <li>• AMI BIOS</li> <li>• 64Mbyte SPI BIOS</li> </ul>
System Memory	<ul style="list-style-type: none"> <li>• Four 240-pin DDR3 DIMM sockets</li> <li>• Supports DDR3 1066/1333MHz</li> <li>• Supports maximum memory bandwidth of 21GB/s in dual-channel mode when using DDR3 1333MHz</li> <li>• Supports dual channel memory interface</li> <li>• Supports up to 32GB system memory</li> </ul>
Chipset	<ul style="list-style-type: none"> <li>• Intel® Q67 PCH (Platform Controller Hub)</li> </ul>
Video	<ul style="list-style-type: none"> <li>• Intel® HD Graphics</li> <li>• Display ports: DVI-I and VGA</li> <li>• DVI-I supports up to 1920x1200 @ 60Hz resolution</li> <li>• VGA supports up to 2048x1536 @ 75Hz resolution</li> </ul>
Ethernet	<ul style="list-style-type: none"> <li>• Intel® WG82579DM with iAMT7.0 Gigabit Ethernet Phy</li> <li>• Intel® WG82574LM PCI Express Gigabit Ethernet controller</li> <li>• Integrated 10/100/1000 transceiver</li> <li>• Fully compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab</li> </ul>
On Board I/O	<ul style="list-style-type: none"> <li>• 1x Connector for PS/2 Mouse/Keyboard</li> <li>• 6 x Serial ports (2x RS-232/422/485 selectable )</li> <li>• 1x PIDE 40-pins connector support two devices and up to ATA133 speed</li> <li>• 6x SATA-II ports</li> <li>• 12x USB 2.0 Ports</li> <li>• 1x 8 bit Digital I/O</li> </ul>
Watchdog Timer	<ul style="list-style-type: none"> <li>• Programmable watchdog timer for 1~255 seconds.</li> </ul>
CMOS	<ul style="list-style-type: none"> <li>• On-board RTC with 242 bytes of Battery-back CMOS RAM.</li> </ul>
Audio	<ul style="list-style-type: none"> <li>• Realtek ALC886 5.1-channel High Definition Audio</li> <li>• Audio outputs: Mic-in/Center+Subwoofer, line-in/surround and line out</li> <li>• S/PDIF audio interface</li> </ul>
Power	<ul style="list-style-type: none"> <li>• One 24pins power connector for system power.</li> <li>• One ATX-12V 8-pins connector for CPU power.</li> <li>• Support both AT and ATX mode.</li> </ul>
Cooling	<ul style="list-style-type: none"> <li>• One CPU cooling FAN connector nearby CPU socket</li> <li>• Two system cooling FAN connectors for chassis or power supply cooling.</li> </ul>

AMT	<ul style="list-style-type: none"> <li>• Supports iAMT7.0</li> <li>• Out-of-band system access</li> <li>• Remote troubleshooting and recovery</li> <li>• Hardware-based agent presence checking</li> <li>• Proactive alerting</li> <li>• Remote hardware and software asset tracking</li> </ul>
Mechanical & Environment	
Form Factor	12" x 9.6" (304mm x 244mm)
Operation temperature	0°C to 60°C (32° F to 140° F)
Storage temperature	-20°C to 80°C (-68° F to 176° F)
Relative humidity	10% to 90% (Non-Condensing)
Ordering Information	
MB-8482G2V	Intel® Core™ i7/5/3 Processor Based Industrial ATX Motherboard with 12x USB 2.0 /6x COM Ports/ VGA/DVI /Dual Gigabit LAN