



SPEC SHEET

SYNCUSTECH

EMB - Q77

LGA1155 Socket 2nd/3rd Generation Intel® Core™ i7/i5/i3/ATX Industrial Motherboard

EMB - Q77

Intel® Core™ based high-performing industrial main board platform applicable for Rackmount PC and Wallmount PC.



Features

- 2nd/3rd Generation Intel® Core™ i7/ i5/ i3 processors
- DDR3 1066/1333/1600 MHz
- VGA, DVI-D, HDMI Connector / Dual independent display
- Mini PCIe expansion with mSATA socket
- 12 USB supported
- Intel Rapid Storage Technology supported
- Intel AMT Technology, TPM Module supported
- 4 x Expansion PCI, 1 x PCIe(x1), 1 x PCIe(x4), 1 x PCIe(x16)
- ATX power



CPU	2nd/3rd Generation Intel® Core™ i7/ i5/ i3 processors Sandy/IVY Bridge LGA1155 L2 Cache- Up to 6MB
System Chipset	Intel® Q77
BIOS	UEFI, Support VPRO
System Memory	4 x 240-pin DDR3 DIMM 1066/1333 MHz (Max. 32GB)
Ethernet	PCI e Gb Ethernet Intel® 82579 PHY with integrated in Q77 Intel® 82583V PCIe controller
Rear I/O	1 x RS-232 / 1 x HDMI A TYPE (Jumper Selection) 2 x Ethernet (RJ45) 2 x USB 2.0 2 x USB 3.0 1 x VGA / 1 x DVI-D (Jumper Selection) 1 x DUAL MINI-DIN Keyboard/Mouse 1 x 2/3 Stack audio Jack

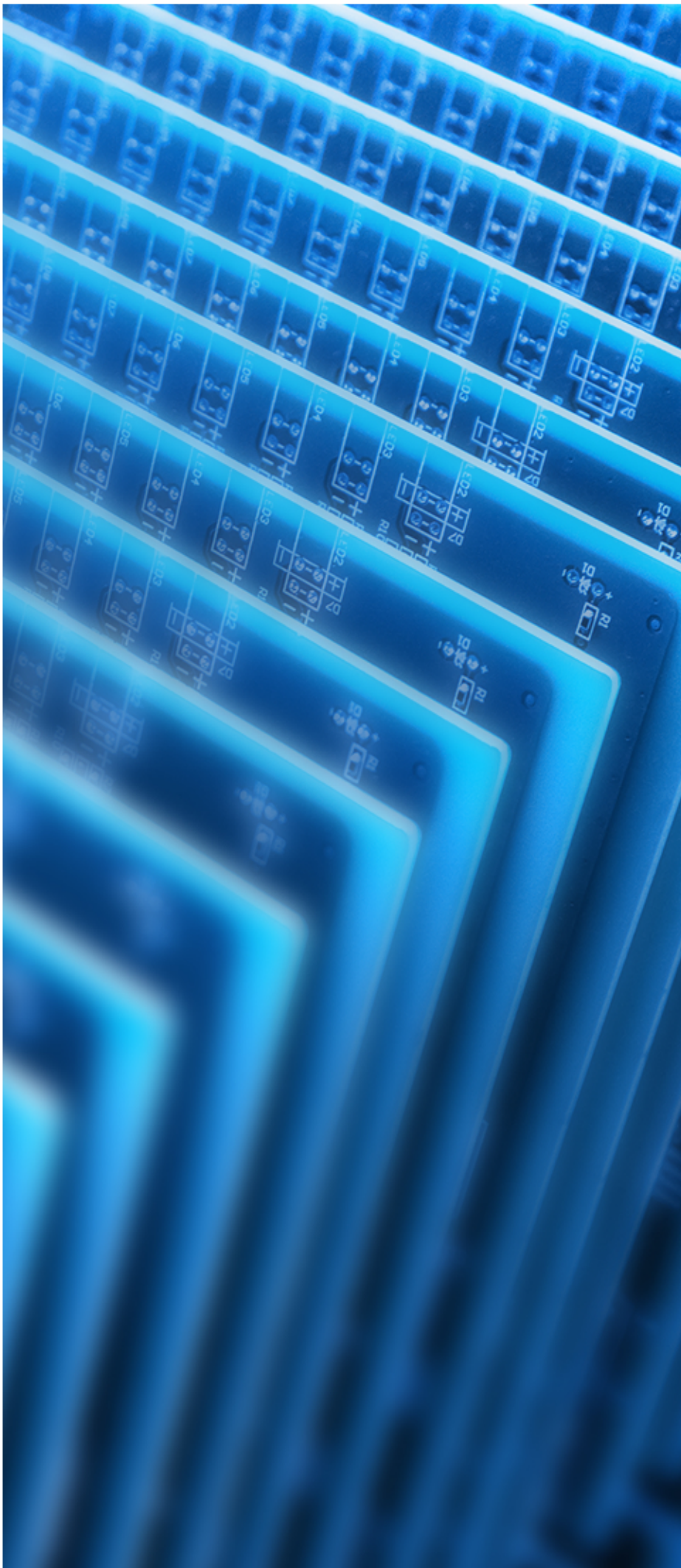


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Internal I/O	4 x RS-232 1 x RS-422/485 4 x USB 2.0 4 x SATA II 1 x Parallel 1 x HDMI 1 x System Fan 1 x CPU Fan 1 x 8-Bit GPIO
Audio	Realtek ALC888 HD Audio codec
SATA	SATA III 6Gb/s Integrated in Q77 2 x SATA III 4 x SATA III (RAID Support)
Display Interfaces	Integrated Intel® Q77 Graphics Integrated in the Intel® Q77 VGA / DVI / HDMI Dual Display Support Support DX10.1, OpenGL3.0, Full MPEG2, VC1, AVC Decode
Expansion	1 x PCI e *16 (2'nd/3'rd Gen) slot 1 x PCI e *4 (2'nd Gen) slot 1 x PCI e *1 (2'nd Gen) slot 4 x PCI slot 1 x mini PCI e *1 slot or M-SATA socket
Power Supply	ATX/AT power, 24Pin
Temperature	Operating: 0°C ~ 60°C (32 ~ 140° F)
Humidity	Operating: 10% ~ 95%, non-condensing
Dimensions	244mm x 305mm, thickness 1.6mm





This motherboard has been developed as a reference product and can be customized to your needs.

To ask for a customized solution, please contact our team at:

KOREA H.Q.

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