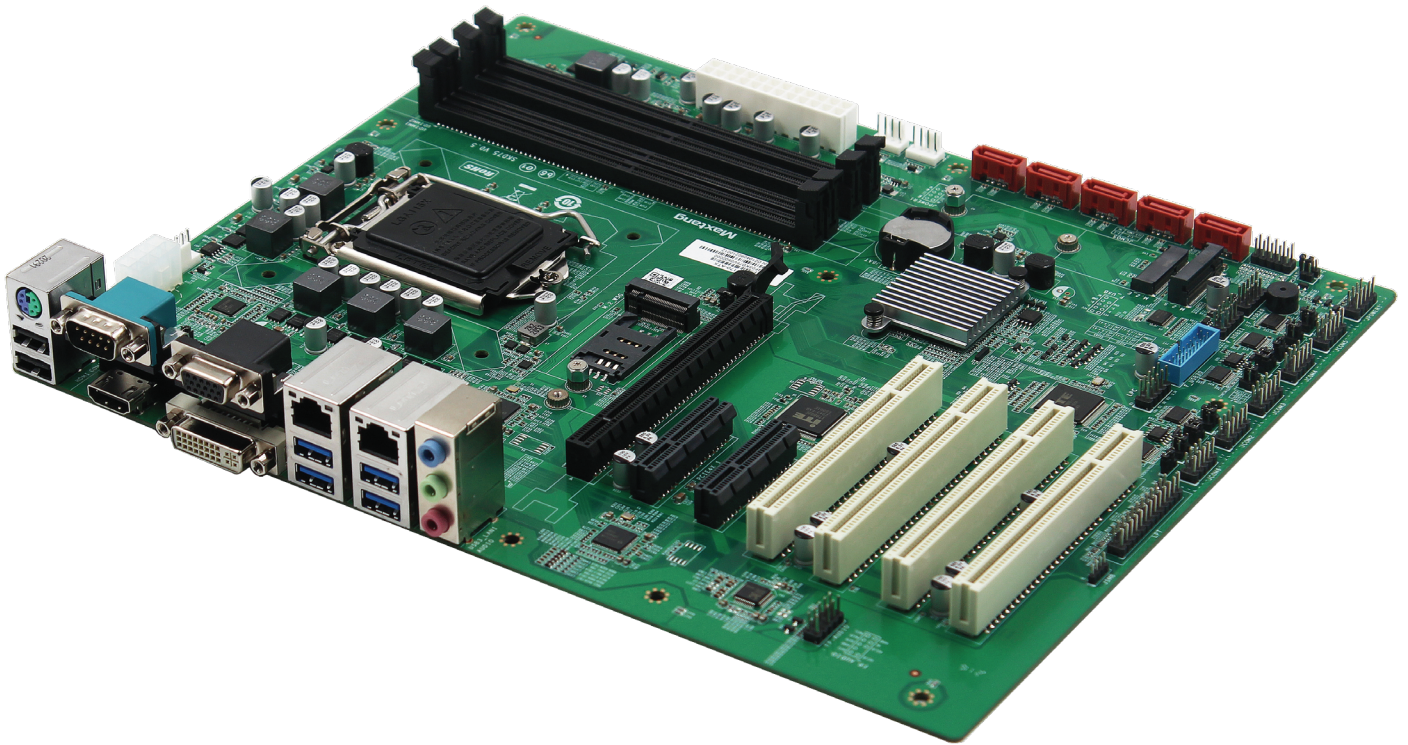


SKD-75

Intel 6th,7th,8th,9th Gen Processors based Embedded
ATX Motherboard with Q170



Features

- CPU: Intel 6th/7th/8th/9th Gen Processors
- Memory: 4x UDIMM DDR4 Up to 64GB
- Display: Graphics based on CPU, Display via HDMI+VGA+DVI
- Ethernet: 10/100/1000 Mbps
- Storage: M.2, SATA, RAID 0,1,5,10
- Expansion: M.2, PCIe4X, PCIe 16X, PCI
- Power: ATX_24PIN + 8PIN/4PIN



IoT Solutions
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Industrial Solution
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Maxtang

MAXIMIZING YOUR COMPUTING PRODUCTIVITY

Introduction

The Maxtang ATX SKD75 embedded motherboard is based on Intel 6th, 7th, 8th, 9th (i3, i5, i7, Celeron Pentium) processors with Q170 Chipset, provides a complete PC platform with powerful performance. It supports multiple displays in addition to dual-channel UDIMM DDR4 memory. Features with two 1-Gigabit Ethernet controllers, 3x M.2 for storage, Wi-Fi, 4G/5G, a rich interface as 6x COM, 6 x USB2.0, 6 x USB3.2, Line-in, Line-out, and Mic-in caters to most market requirements.

The SKD 75 is an ideal solution for various industrial applications. It retains the robust design just like all other Maxtang products with cost advantages. Our goal is to provides you a excellent customer experience with a great product base on flexibility and reliability.



H/W Monitor



Watchdog

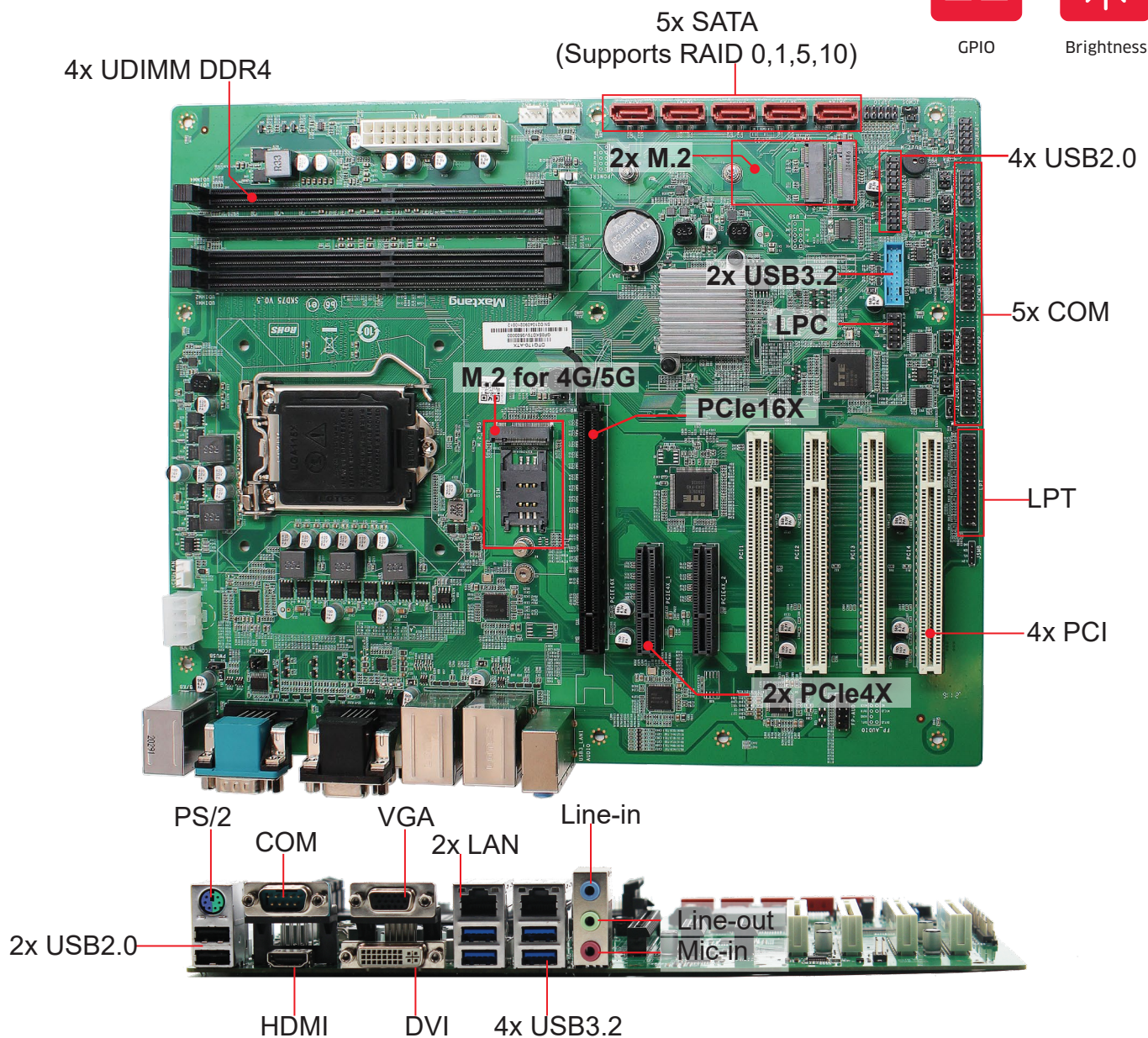


GPIO



Brightness

I/O Interfaces



Technical Specifications

Processor	CPU	intel 6th/7th/8th/9th Gen Processor (FCLGA1151)
	Chipset	Q170
Memory	Type	4x UDIMM DDR4
	Max Capacity	Up to 64GB
Display	GPU	Intel HD/UHD Graphics (based on CPU)
	Port	1x HDMI + 1x VGA+ 1x DVI
Ethernet	Speed	10/100/1000 Mbps
	Controller	Intel i211 (i210 optional)
	Interface	2x LAN (RJ45)
Audio	Audio Codec	Realtek HD
	Interface	Line-in,Line-out, Mic-in,
Hardware		CPU and system temperature, on-board voltage, watchdog
Storage	SATA	5x SATA Support RAID 0,1,5,10
	M.2	1x M.2_S for 2280/2242 SATA
		1x M.2_E 2230 for Wi-Fi
Expansion	M.2	1x M.2_W5G for 4G/5G
	PCI	4
	PCIe	1x PCIe16X +2x PCIe4X
I/O Interface	LAN	2
	COM	6x RS232 Default, (Optional RS485 COM2 & COM4)
	USB2.0	2x USB2.0 Ports+ 4x USB2.0 Header
	USB3.2	4x USB3.2 Ports + 2x USB3.2 Header
	HDMI	1
	VGA	1
	DVI	1
	Audio	1xLine-in + 1x Line-out + 1x Mic-in
	PS/2	1 (for PS/2 keyboard and mouse)
	GPIO	8 (one group)
	LPT	1
	LPC	1
Dimension	Size	305mm x 244mm
	Board Type	ATX
Power	Standard Port	ATX_24PIN + 8PIN/4PIN
Temperature	Operating Temp.	-20°C to 60°C
	Storage Temp.	-40°C to 80°C
Cooling Method		Active (Fan)
Operating System		Windows 7/8.1/10, Linux

* All specifications and photos are subject to change without notice.

Functional Block Diagram

