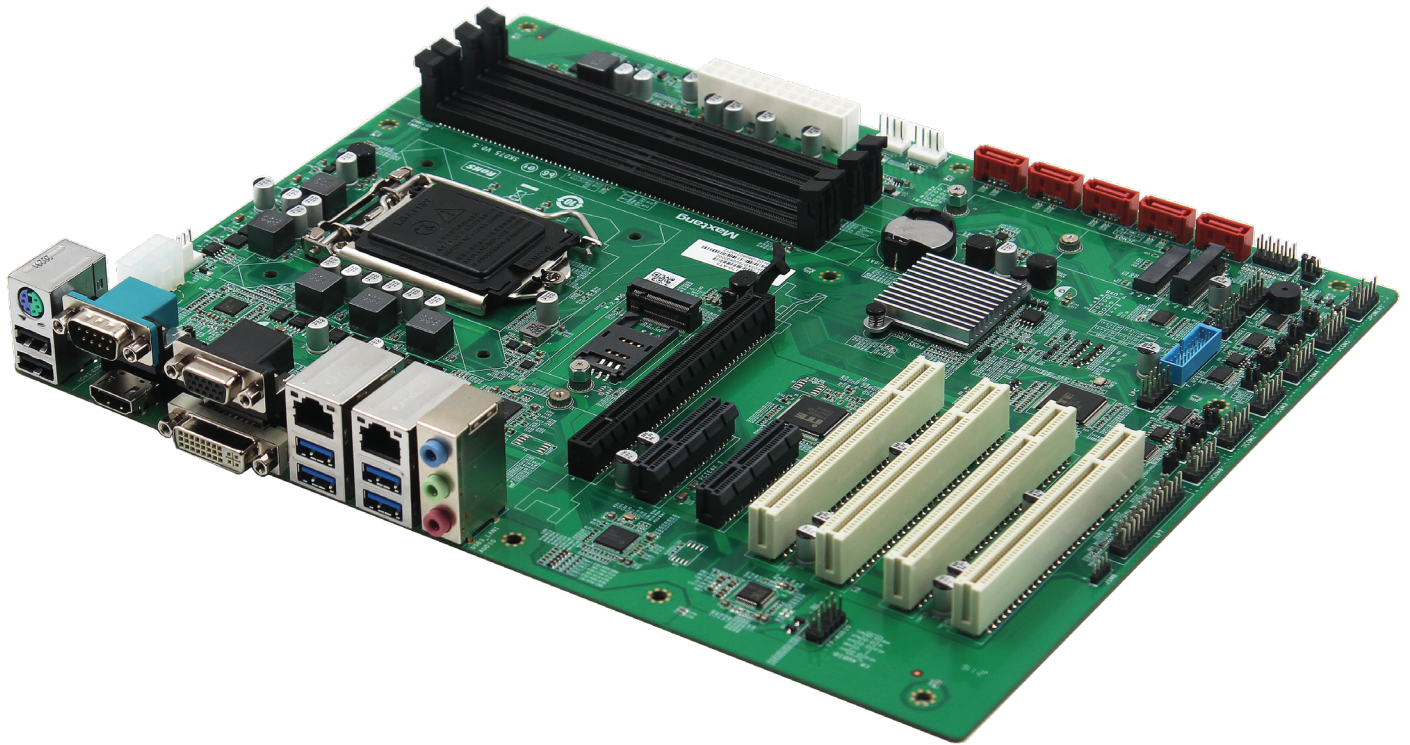


SKD-75

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
Alliance
Industrial Solution
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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

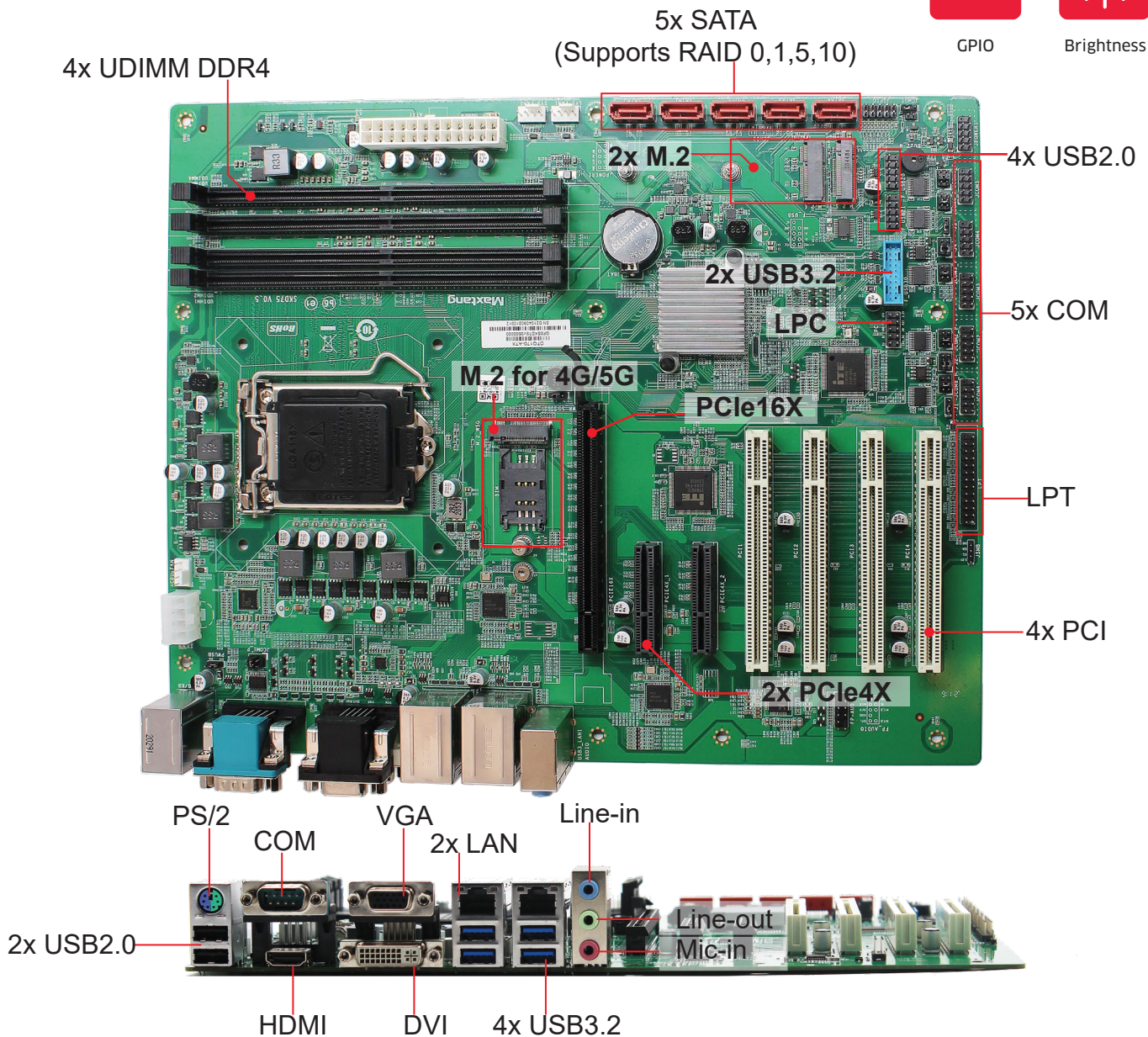


GPIO



Brightness

I/O Interfaces

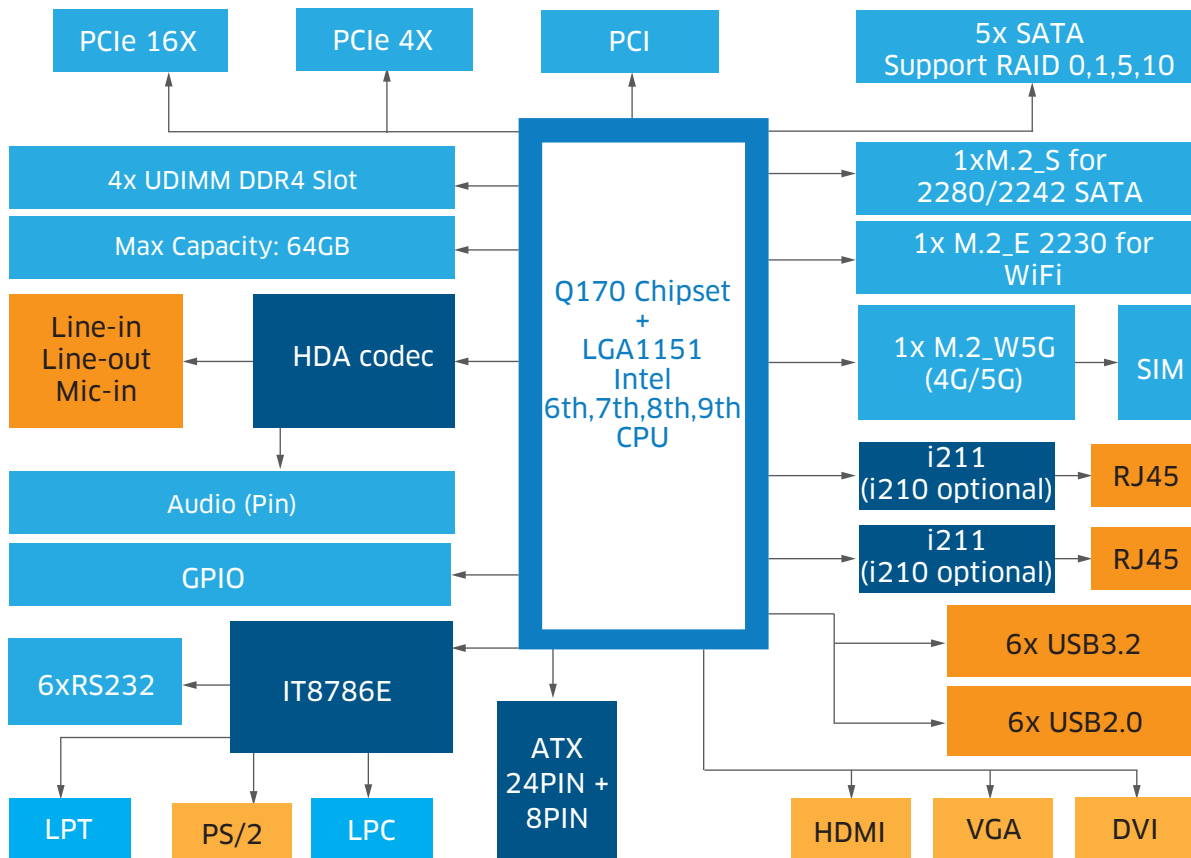


Technical Specifications

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)
Audio	Interface	2x RJ45
	Audio Codec	Realtek HD
Hardware	Interface	Line-in,Line-out, Mic-in,
		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
Expansion		1x M.2_E 2230 for Wi-Fi
	M.2	1x M.2_W5G for 4G/5G
I/O Interface	PCI	4
	PCIe	1x PCIe16X +2x PCIe4X
I/O Interface	LAN	2
	COM	6xCOM: 6*RS232 default
I/O Interface		The COM2, COM4 can be set as RS485 by jumper
	USB2.0	6xUSB2.0: 2*ports+ 4*header
I/O Interface	USB3.2	6xUSB3.2: 4*ports + 2*header
	HDMI	1
I/O Interface	VGA	1
	DVI	1
I/O Interface	Audio	1xLine-in + 1x Line-out + 1x Mic-in
	PS/2	1 (for PS/2 keyboard and mouse)
I/O Interface	GPIO	8 (one group)
	LPT	1
I/O Interface	LPC	1
	TPM2.0	Optional
Dimension	Size	305mm x 244mm
	Board Type	ATX
Power	Standard Port	ATX_24PIN + 8PIN/4PIN
	Peripheral Input	For Fan and SATA
Temperature	Operating Temp.	-20°C to 60°C
	Storage Temp.	-40°C to 80°C
Operating System		Windows 7/8.1/10, Linux

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

Functional Block Diagram



Order Information

Model Name	Description
DTQ170-ATX	DT Intel Q170 SKD75 ATX 2LAN 6COM 1xPCIE16X+2xPCIE4X+4xPCI

*For customized options, please consult regional sales. And please confirm the model name and description before purchasing. *The model name and description might vary due to inventory changes.

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