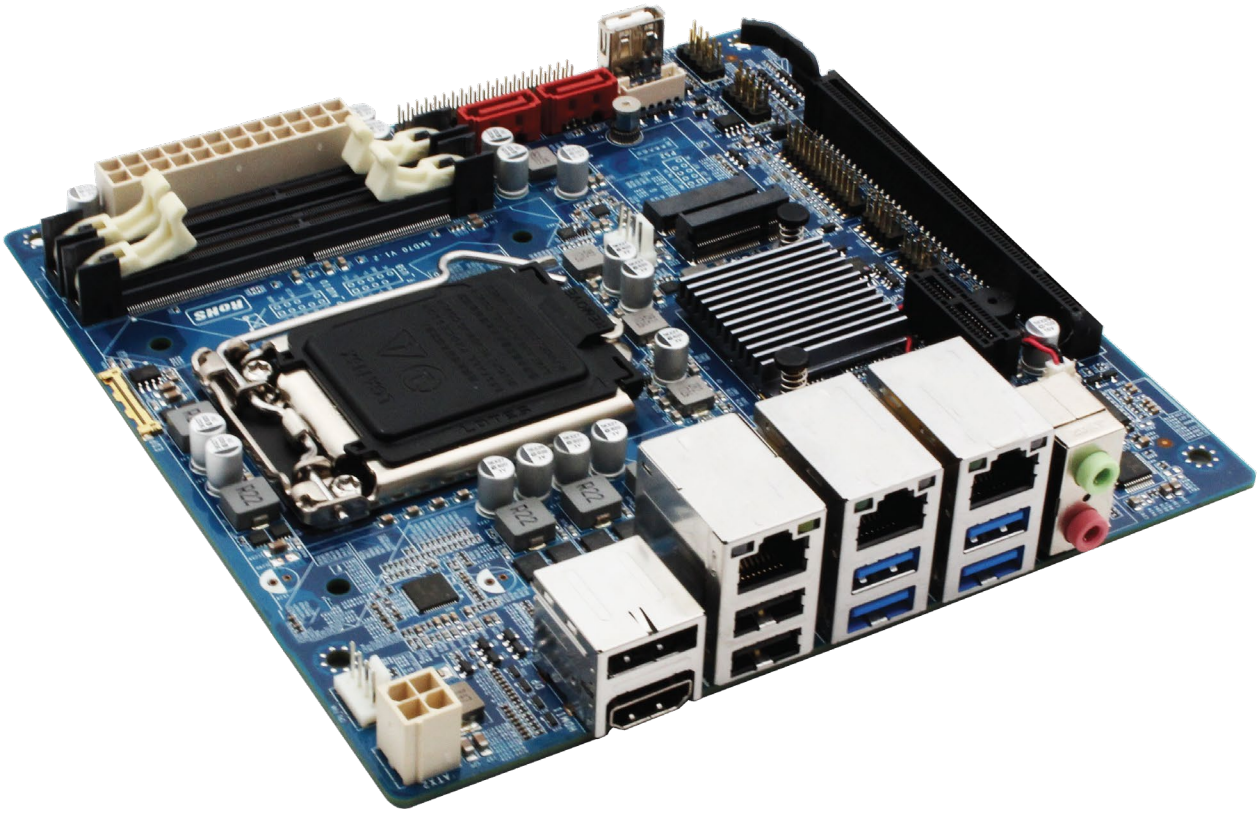
PRODUCT DATASHEET
HW Rev.: V1.2

SKD-70

Intel® Skylake/Kaby Lake(LGA1151) based Mini ITX Motherboard with H110/B150/Z170 Chipset



Features

- CPU:Intel Skylake-S/Kaby Lake-S Processors
- Memory: Dual channel SO-DIMM DDR4 Up to 32GB
- Display: Intel HD Graphics, display via HDMI, DP, eDP optional
- Ethernet: 10/100/1000 Mbps
- Storage: SATA3.0, M.2
- Expansion: PCIe 16X, PCIe1X, M.2 for WiFi
- Power: ATX input

intel prestige partner Builder

Maxtang®
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Introduction

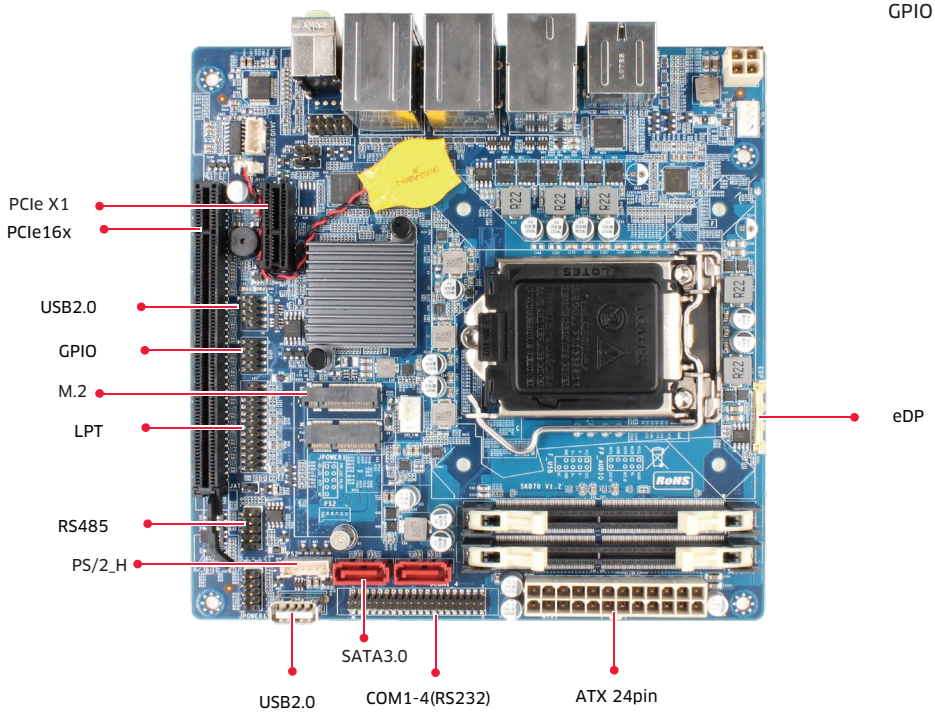
The Maxtang mini-ITX SKD70 embedded motherboard，based on Intel Skylake-S/Kaby Lake-S(LGA1151) processors with H110/B150/Z170 chipset, provides a complete PC platform with high performance. Dual-Channel SO-DIMM DDR4 up to 32GB for its memory and SATA3.0, M.2 for its storage. Intel HD graphics (based on CPU), display via HDMI, DP, and eDP optional. Rich interfaces include 5xCOM, 3xLAN, 4xUSB3.2, 5xUSB2.0, GPIO, LPT, and PS/2 that cater to most market's requirements.

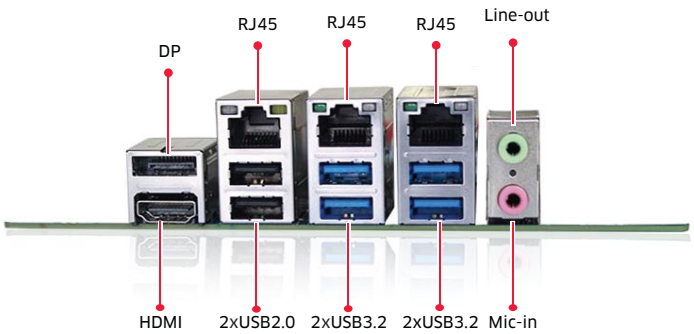
This industrial mini-ITX motherboard offers a lot of functionality right off the rear panel and its internal headers. It is composed of high-quality components intended for a long-life operation that is perfect for industrial environments. It retains a robust design just like all other Maxtang products with stability, reliability, and cost advantages.

Linux
ubuntu
Windows

H/W Monitor
Watchdog
GPIO
Brightness

I/O Interfaces



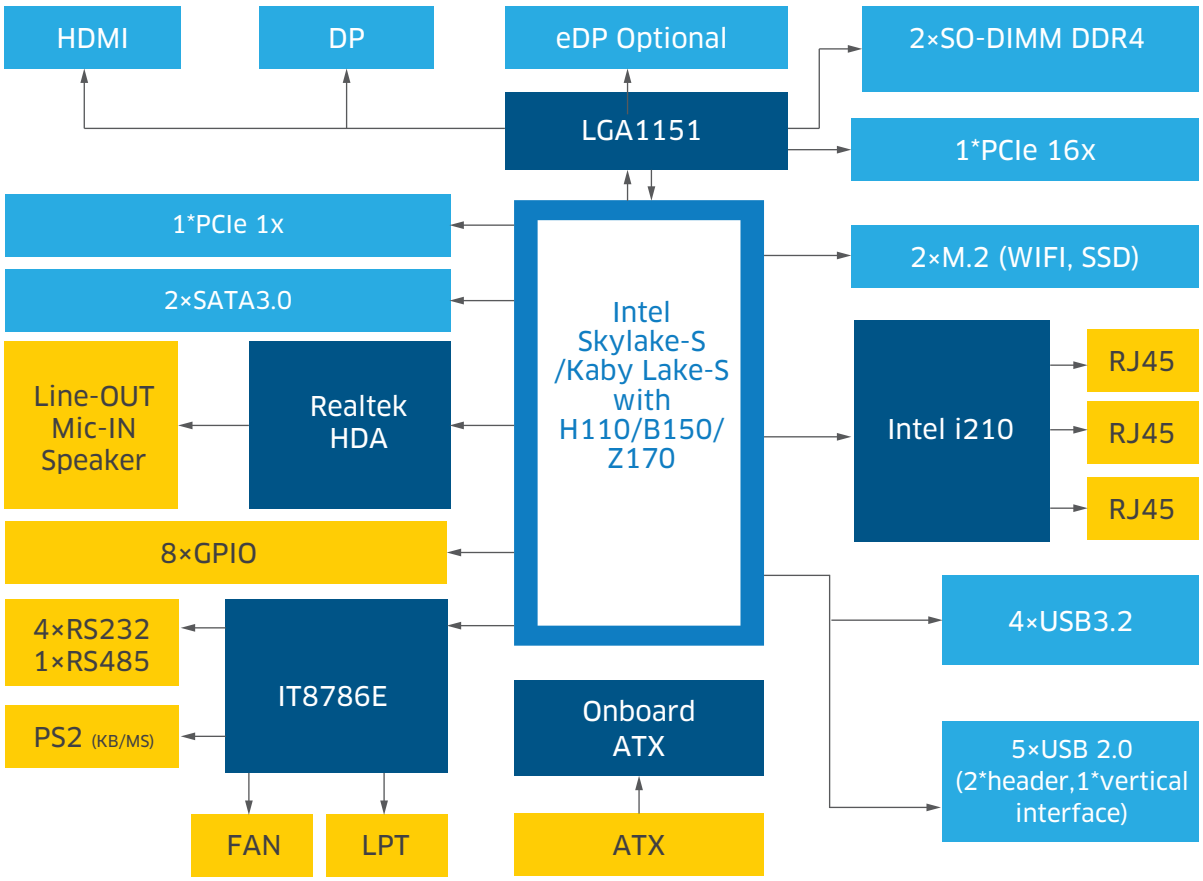


Technical Specifications

Processor	CPU	Intel Skylake-S/Kaby Lake-S Processor (LGA1151)
	Chipset	Intel H110/B150/Z170
	BIOS	AMI UEFI BIOS
Memory	Type	Dual Channel SO-DIMM DDR4
	Max. Capacity	32GB
Display	GPU	Integrated Intel HD Graphics
	Display via	1xHDMI+1xDP+1x eDP Optional
Ethernet	Speed	10/100/1000 Mbps
	Controller	Intel i210
	Interface	3xRJ45
	Wake on LAN	Yes
Audio	Audio Codec	Realtek HD
	Interface	1xLine-out, 1xMic-in, Line-in optional
		Supports audio header, amplifier header
Hardware		CPU system temperature, On-board voltage, Watchdog, Auto power on
Storage	M.2	1x M.2 2242 for SATA SSD
	SATA3.0	2
Expansion	M.2	1x M.2 for Wi-Fi
	PCIe	1*PCIe 1X +1*PCIe 16X
Other I/O	COM	5xCOM: 4*RS232 + 1*RS485
	USB2.0	5xUSB2.0: 2*ports+2*header+1*vertical interface
	USB3.2	4
	GPIO	8
	LPT	1
	PS/2	1
Dimension	Size	170mm x 170mm
	Board Type	Mini ITX
Power	Standard Port	24-pin ATX + 12V auxiliary ATX supply (2x2)
	Peripheral Input	For Fan and SATA
Temperature	Operating Temp.	-20°C to 60°C
	Storage Temp.	-40°C to 80°C
Operating System		Win7/8 64bit, Win10 32/64bit, Linux 32/64bit

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

Functional Block Diagram



Order Information

Model Name	Description
DTH110-IOT	DT Intel H110 SKD70 170*170MM IOT
DTZ170-IOT	DT Intel Z170 SKD70 170*170MM IOT

*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.

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

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