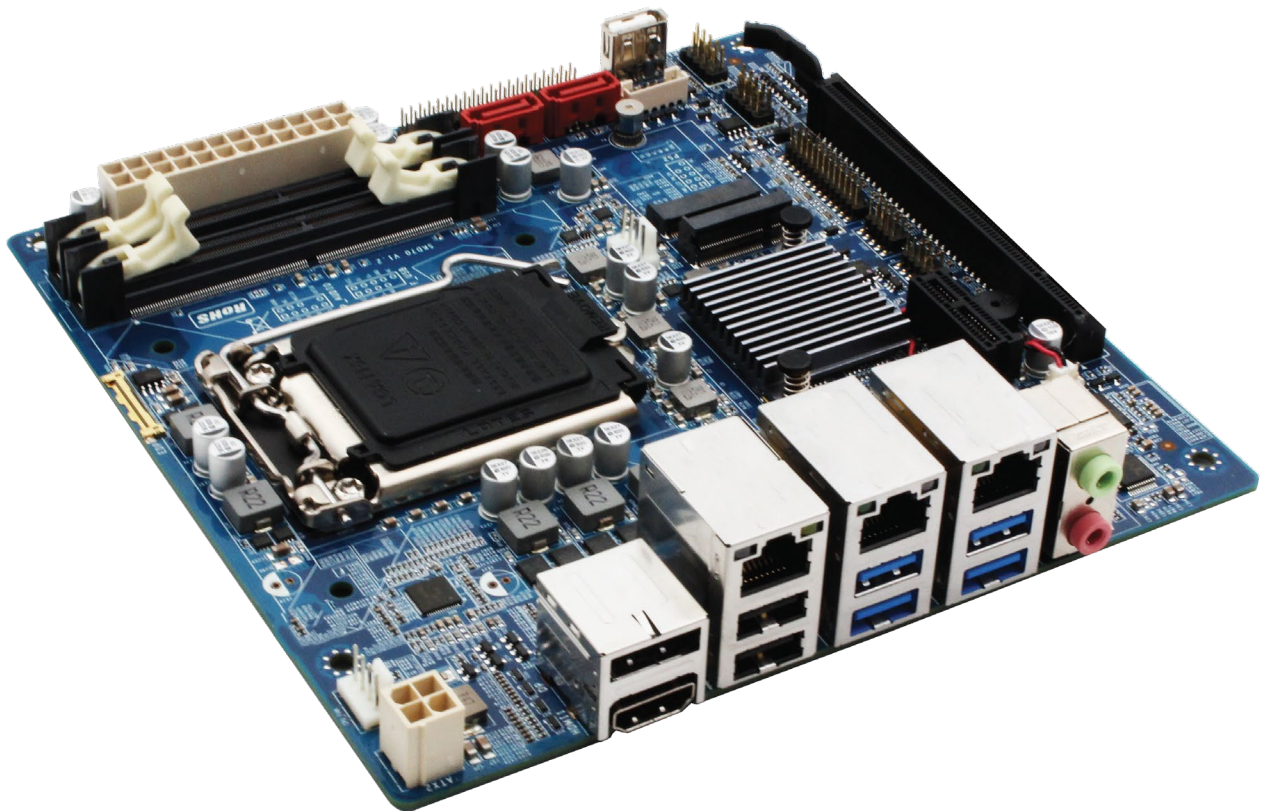


SKD-70

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



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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 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.



H/W Monitor



Watchdog

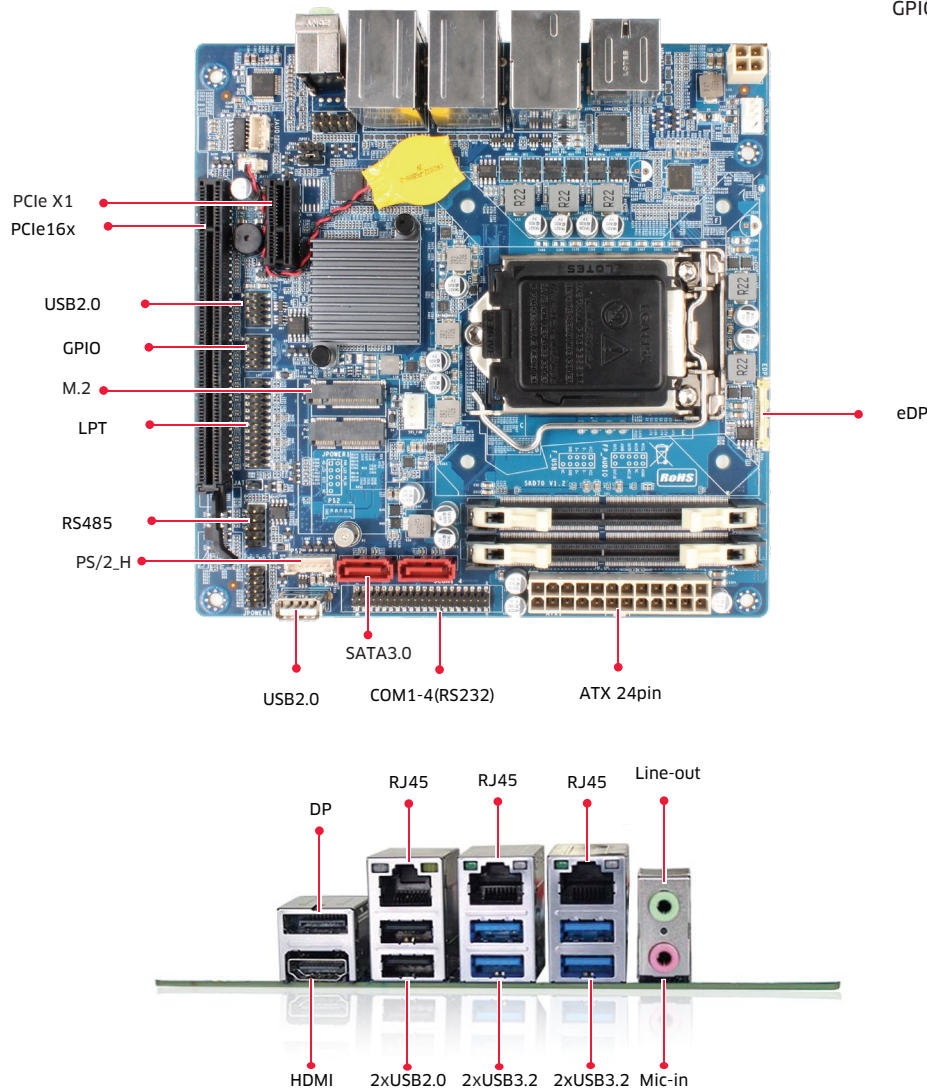


GPIO



Brightness

I/O Interfaces

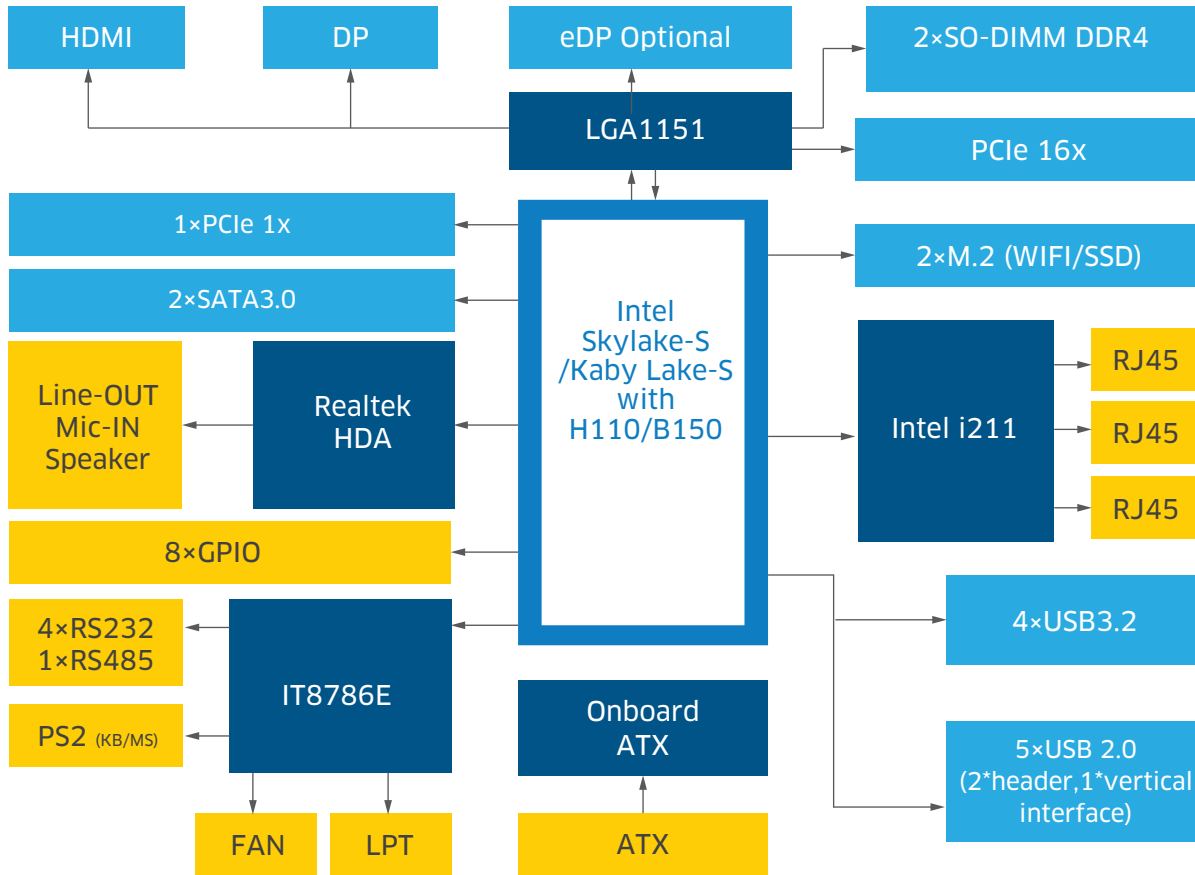


Technical Specifications

Processor	CPU	Intel Skylake-S/Kaby Lake-S Processor (LGA1151)
	Chipset	Intel H110 or B150 PCH
	BIOS	AMI UEFI BIOS
Memory	Type	Dual Channel SO-DIMM DDR4
	Max. Capacity	32GB
Display	GPU	Intel HD Graphics based on CPU
	Display via	1xHDMI+1xDP+1x eDP Optional
Ethernet	Speed	10/100/1000 Mbps
	Controller	Intel i211
	Interface	3xRJ45
	Wake on LAN	Yes
Audio	Audio Codec	Realtek HD
	Interface	Line-out, (line-in optional), Mic-in, Audio header, Amplifier header
Hardware	CPU system temperature, On-board voltage, Watchdog, Auto power on	
Storage	M.2	1x M.2 for 2242 SSD
	SATA3.0	2
Expansion	M.2	1x M.2 for Wi-Fi
	PCIe	1x PCIe 1X +1x PCIe 16X
I/O Interface	LAN	3
	COM	5* header (4x RS232 + 1x RS485)
	USB2.0	5 (2*header, 1*vertical interface)
	USB3.2	4
	Audio	1x Line-out, 1x Mic-in
	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



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