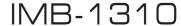


/SRock —Industrial—







Micro-ATX Motherboard

KEY FEATURES



- · 2 x 288-pin Long-DIMM up to 64GB* DDR4 2666 MHz
- 1 x PCle x16 (Gen3), 1 x PCle x4 (Gen2), 2 x PCl, 4 x USB 3.1 Gen1,
 4 x USB 2.0, 1 x M.2 Key M, 4 x COM, 4 x SATA3
- · 2 x Intel 1 Gigabit LAN
- · Supports dual display, 1 x HDMI 1.4, 1 x DP 1.2, 1 x VGA, 1 x LVDS, 1 x DVI-D
- · TPM Header
- · ATX PWR





SPECIFICATIONS

Form Factor

Dimensions	Micro ATX (9.6-in x 9.6-in)
Processor Syst	em
CPU	Intel® 9th/8th Gen (Coffee Lake-S) Core™ Processors, up to 95W
	*For cooling the CPU exceeding 90W and its surrounding
	components, please install a CPU cooler with a top-down blowing design
Chipset	Intel®H310
Socket	LGA1151
BIOS	AMI SPI 128 Mbit
Memory	
Technology	Dual Channel DDR4 2666 MHz
Capacity	64GB*
	* Intel Core i9/i7/i5 CPUs support up to 64GB (32GB per DIMM)
	Intel Core i3/Pentium/Celeron CPUs support up to 32GB (16GB per DIM
Socket	2 x 288-pin Long-DIMM
Graphics	
Controller	Coffee Lake integrated graphics
HDMI	HDMI 1.4
	Max resolution up to 4096x2160@24Hz
DisplayPort	DisplayPort 1.2, DP++
	Max resolution up to 4096x2304@60Hz
VGA	Max resolution up to 1920x1200@60Hz
LVDS	Dual channel 24 bit up to 1920x1200@60Hz
eDP	N/A
DVI-D	Max resolution up to 1920x1200@60Hz
MultiDisplay	Dual Display

Expansion Slot

PCle	1 x PCle x16 (Gen3)
	1 x PCle x4 (Gen2)
PCI	2
mini-PCle	N/A
M.2	N/A

Audio

Interface Realtek ALC887, High Definition	on Audio. Line-out,Mic-in,Line-in
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Ethernet

Controller/ Speed	LAN1: 1 x Intel® I210 with 10/100/1000 Mbps
	LAN2: 1 x Intel® I219V with 10/100/1000 Mbps
Connector	2 x RJ-45

Rear I/O

HDMI	1 x HDMI 1.4
DisplayPort	1 x DP 1.2
VGA	1
DVI-D	1
Ethernet	2 x 1 Gigabit LAN
USB	4 x USB 3.1 (Gen1)
Audio	3 (Mic-in, Line-in, Line-out)
COM	COM3(RS-232/422/485)
PS2	1

Internal Connector

USB	4 x USB 2.0 (2 x 2.54 pitch header)
COM	COM1, 2, 4(RS-232)
Parallel	1 (shared with GPIO)
GPIO	8 x GPI, 8 x GPO (shared with LPT header)
TPM	TPM Header
LVDS	1
eDP	N/A
VGA	N/A
SATA PWR Output	N/A
Speaker Header	1

Storage

M.2	1 x M.2 (Key M, 2242/2260/2280) with shared SATA3 for SSD
mSATA	N/A
SATA	4 x SATA3 (6Gb/s), SATA3_1 shared with M.2 Key M
eMMC	N/A

Watchdog Timer

Output	From Super I/O to drag RESETCON#
Interval	256 Segments, 0, 1, 2,255sec

Power Requirements

Input PWR	ATX PWR (24+8-pin)
Power On	AT/ATX Supported
	- AT : Directly PWR on as power input ready
	- ATX : Press button to PWR on after power input ready

Environment

Operating Temp	0°C~60°C
Storage Temp	-40° C ~ 85° C
Operating Humidity	5%~90%
Storage Humidity	5%~90%

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508 Support: +1 347 719 4508

1309 Coffeen Ave Ste 1200 Sheridan WY 82801 USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050 Support: +44 (0)1785 879 050

Unit A5 Douglas Park Stone Business Park Stone ST15 0YJ United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660