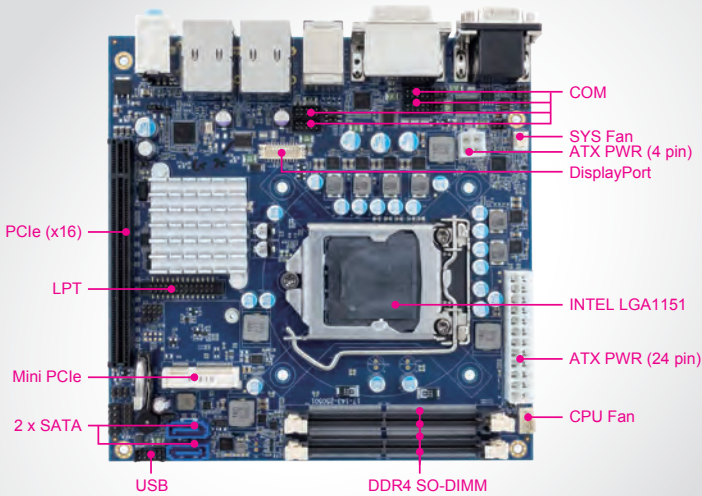


# BM-2505

Mini-ITX Intel® 7th / 6th Gen. Core™ i7 / i5 / i3 / Pentium® / Celeron® CPU



## Features



- Mini-ITX Intel® 7th / 6th Gen. Core™ i7 / i5 / i3 / Pentium® / Celeron® CPU
- 6 x COM, 2 x LAN, 8 x USB, 1 x LPT
- 2 x DVI-D, 1 x DP
- 2 x SATA, supporting RAID 0/1 (for Q170 SKU)
- 1 x PCIe (x16), 1 x half-sized mPCIe

## Specifications

### System

CPU Support	LGA1151 socket for Intel® 7th / 6th Gen. Core™ i7 / i5 / i3 / Pentium® / Celeron® desktop CPU
CPU List	7th Core™: i7-7700T(TE), i5-7500T(TE), i3-7100T(TE) 6th Core™: i7-6700(TE), i5-6500(TE), i3-6100(TE) Pentium®: G4400(TE) Celeron®: G3900(TE)
Chipset	Intel® H110/Q170
Memory Support	2 x SO-DIMM sockets, supporting 1866/2133MHz DDR4 memory up to 32GB
BIOS	AMI UEFI BIOS
Watchdog	1~255 seconds watchdog timer selectable
Power Supply	ATX power (24+4 pin)
Power Consumption	+5V: 1.17A; +12V: 1.52A; +3.3V: 0.27A; +5VSB: 0.09A (CPU: i7-7700@4.7GHz)
Dimensions	170 x 170 mm (6.69" x 6.69")
Certifications	FCC / CE
O.S. Support	Windows 10 64bit / Windows 8.1 64bit / Windows 7 32/64bit Note that Intel 7th Gen. CPU is ONLY compatible with Windows 10 IoT

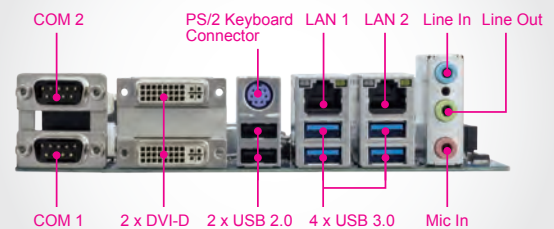
### Graphics

DVI	2 x DVI-D (rear I/O) up to 1920 x 1200 @60Hz
DisplayPort	1 x DP up to 4096 x 2304 @60Hz (wafer)

### Environment

Operation Temp.	0°C~60°C (32°F~140°F) @humidity 20%~90%
Storage Temp.	-40°C~85°C (-40°F~185°F) @humidity 20%~95%

## I/O Panel View



## I/O Ports

SATA Interface	2 x SATA 3.0 (Only Q170 SKU supports RAID 0/1)
Expansion Bus	1 x PCIe (x16), 1 x half-sized mPCIe (w/o USB signal)
Serial Ports	6 ports COM 1: RS-232/422/485 (rear I/O) COM 2: RS-232 (rear I/O) COM 1~2 support +5V/+12V/RI jumper selectable COM 3, 5, 6: RS-232 (wafer) COM 4: RS-232 (wafer), support +5V/+12V/RI jumper selectable
Keyboard/Mouse	1 x PS/2 for keyboard only (rear I/O)
Parallel Port	1 x parallel port (SPP/EPP/ECP) (box header)
FAN	1 x CPU fan, 1 x system fan (internal connector)
LAN	Dual LAN (2 x RJ45 on rear I/O) LAN 1: Intel® PHY 219LM (GbE) LAN 2: Intel® LAN 210AT (GbE) Supports Wake-On-LAN
Audio	Mic In / Line In / Line Out (rear I/O)
USB	8 ports 4 x USB 3.0 (rear I/O) 2 x USB 2.0 (rear I/O) 2 x USB 2.0 (internal wafer)

\* All information contained in this document is subject to change without prior notice. Please log on [www.protech.com.tw](http://www.protech.com.tw) to acquire latest information. For detail mechanics drawing, please contact our sales.