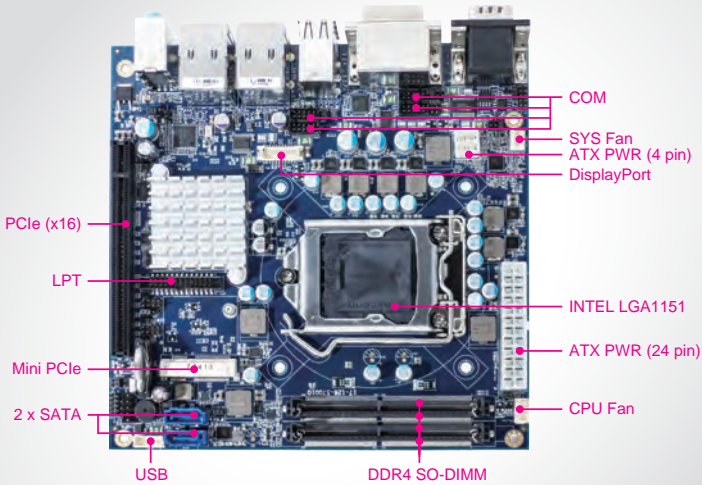


# BM-2502

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



## Features



- Intel® 7th / 6th Gen. Core™ i7 / i5 / i3 CPU
- 6 x COM, 2 x LAN, 9 x USB, 1 x LPT
- 2 x DVI, 1 x DP (internal)
- 2 x SATA, supporting RAID 0/1
- 1 x PCIe (x16), 1 x half-sized mPCIe

## Specifications

### System

CPU Support	LGA1151 socket for Intel® 7th / 6th Gen. Core™ i7 / i5 / i3 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: 1.26A; +12V: 0.28A; +3.3V: 0.28A; +5VSB: 0.08A (CPU: i7 6700 3.4GHz)
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

### Graphics

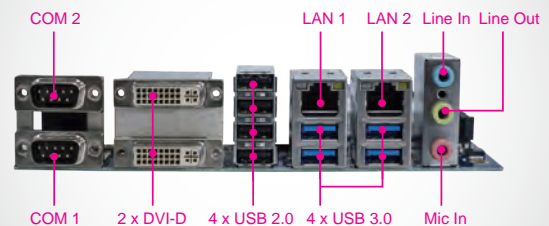
DVI	2 x DVI-D (rear I/O) up to 1920 x 1200 @60Hz
DisplayPort	1 x DP (internal) up to 4096 x 2304 @60Hz

\* The discrete graphics card is necessary for display if the integrated graphics support is not available in the CPU.

### 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 3~6: RS-232 (internal wafer) COM 1/2/4 supports +5V/+12V, selectable by jumper
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	9 ports 4 x USB 3.0 (rear I/O) 4 x USB 2.0 (rear I/O) 1 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.