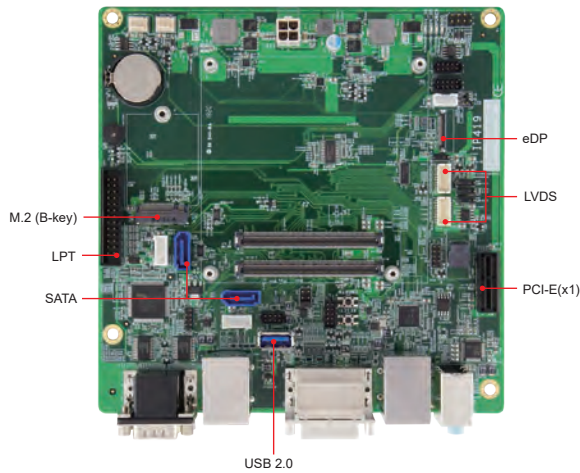


# IP419

## Carrier Board

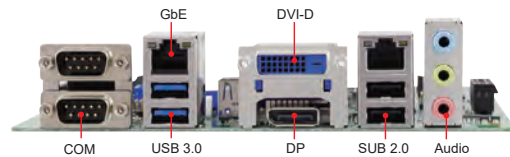
### COM Express Type 6 (R3.0) Carrier Board



## Features

- Supports 4x USB 2.0, 3x USB 3.0, 2x SATA III
- 1x PCI-E(x1) slots, 1x M.2 socket
- 1x eDP or 1x LVDS, 1x DisplayPort, 1x DVI-D
- 2x LAN connectors

## I/O View



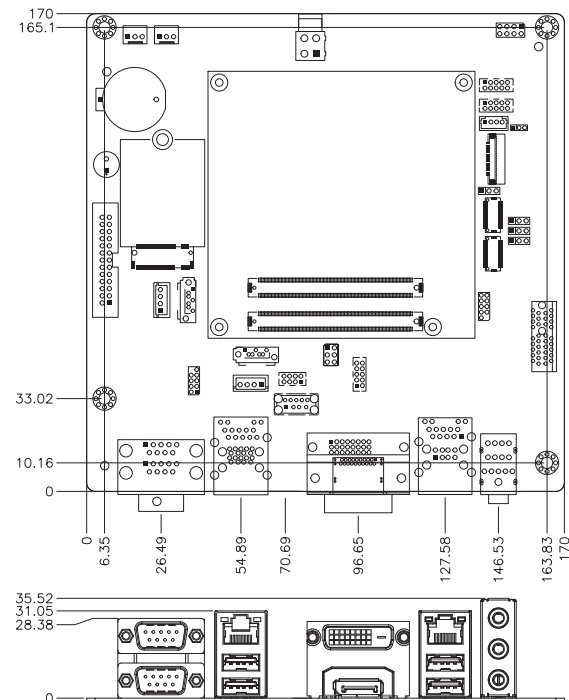
## Specifications

Form Factor	Mini-ITX
Module Interface	COM Express Type 6 (R3.0)
Expansions slots	1x PCI-E(x1) slot 1x M.2 socket
Mini Type slots	N/A
Video Output	2x DDI (1x DisplayPort 1x DVI-D) 1x LVDS or 1x eDP (By option) 1x 18/24-bit dual-channel LVDS or 1x eDP (optionl)
Ethernet	LAN1: Derived from COM Express CPU module LAN2: 1x Intel I210IT
I/O Chip	Fintek F81964D-I
Serial Port	4x COM ports -2x COM ports (from Super I/O) -2x COM ports (from CPU module,TX/RX)
USB 2.0	Derived from COM Express module 4x USB 2.0, (one port for OTG)
USB 3.0/ 3.1	2x USB 3.0
Serial ATA	Deried from COM Express module 2x SATA III
Audio	Onboard ALC662 w/ 5.1 CH audio
Digital I/O	4-in/4-out
Watchdog	256 levels
KB/MS	N/A
Parallel	1x Parallel port via box header
Dimensions (L X W)	170 mm x 170 mm (6.7" x 6.7")
Power	DC-in (12V) 2x 2-pin connector for 12V DC power-in
Operating Temperature	-20°C~70°C (-4°F~-94°F)
Storage Temperature	-40°C~90°C (-40°F~194°F)
Relative Humidity	10% ~ 90% (non-condensing)

## Ordering Information

IP419-LV	Mini-ITX COM Express Type 6 Carrier Board, Supports LVDS or eDP
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## Dimensions and Drawing



1 CPU Modules

2 Disk-Size SBCs

3 Motherboards

4 CPU Cards