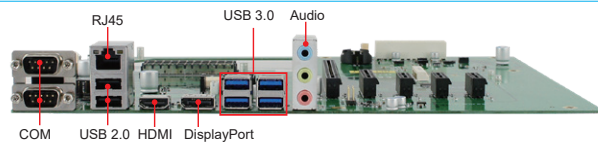


## Features

- 1x PCI-E(x16), 1x PCI-E(x4), 3x PCI-E(x1) expansion slots
- Edge connectors for dual COM, RJ45+ 1x dual USB (2.0), 1x DP, 1x HDMI, 2x dual USB 3.0, audio connector (Line-out, Line-in & Mic.)
- Onboard headers for 2x COM (from COMe module), 1x KB/MS, 2x USB (2.0), DVI-D, CRT, LVDS, 4x SATA III, 1x LPT, COM Express (Type-6) connectors
- ATX power connector / DC-in (12V only)

## I/O View



## Specifications

Form Factor	ATX
Module Interface	COM Express Type-6
Expansion Slots	1x PCI-E(x16) slot 1x PCI-E(x4) slot 3x PCI-E(x1) slots
Mini Type Slots	1x MiniPCI-E socket (full-size, reserved one hole for half-size)
Video Output	1x VGA 3x DDI (1x DisplayPort, 1x DVI-D, 1x HDMI) 1x 18/24-bit dual-channel LVDS
Ethernet	Derived from COM Express CPU module
I/O Chipset	Fintek F81846D-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
USB 3.X	4x USB 3.0
Serial ATA	Derived from COM Express CPU module 4x SATA III
Audio	Built-in ALC662 or ALC888S HD audio codec
Digital I/O	4-in/4-out
Watchdog	256 levels
KB/MS	Yes
Parallel	1x Parallel port via box header
Dimensions (L X W)	305mm x 244mm (12" x 9.6")
Power	ATX / DC-in 12V (only) 20+4-pin connector for ATX 2x 2-pin connector for 12V DC power-in (IP413-DC only)
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10% ~ 90% (non-condensing)

## Ordering Information

IP413	ATX COM Express Type-6 carrier board, Supports ATX
IP413-DC	ATX COM Express Type-6 carrier board, Supports DC-in

## Dimensions and Drawing

