



## Spotlight Features

- BGA1356 for Intel® Core i7/i5/i3/Celeron (Skylake U)
- Supports Dual Channel DDR4 SO-DIMM 2133, up to 32GB
- 2 x DDI channels, 1 x eDP channel
- 4 x USB 3.0 SS, 8 x USB 2.0, 3 x SATA3, 2 x COM
- 6 x PCIe x1 ( 1 for Giga Lan)
- 1 x Intel LAN
- 1 x TPM 2.0 on board IC (optional)

## Specifications

### Form Factor

Dimension	COM Express Compact Size 95 x 95mm (3.74 in x 3.74 in)
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### Processor System

CPU	BGA1356 for Intel® Core i7/i5/i3/Celeron (Skylake U)
Chipset	N/A

### Expansion Slot

PCIe	6 x PCIe x1 Lane ( 1 for Giga Lan)
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### Memory

Technology	Dual Channel DDR4 2133
Max	32GB
Socket	2 x SO-DIMM

### Graphics

Controller	Intel® Gen9 Graphics DX 11/12, OGL4.3/4.4, support 2x DDI, 1x eDP
Multi Display	Triple Display

### Ethernet

Ethernet	10/100/1000 Mbps
Controller	1 x Intel LAN I219LM / I219V

### Internal Connector

USB	4 x USB 3.0 SS/ 8 x USB 2.0
Serial	2(RX/TX only)
SATA	3 x SATA3
GPIO	4 x GPI + 4 x GPO
TPM	TPM 2.0 on board IC (optional)
Onboard SSD	EMMC 32GB (optional)
Others	LPC, SMBus, I2C, SPI, HD Audio

### Watchdog Timer

Interval	0 ~ 255 sec
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### Power Requirements

Input PWR	ATX: 12V±5%/5Vsb±5%, or AT: 12V±5%
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### Environment

Temperature	0°C to 60°C
Storage Temperature	-40°C ~ 85°C