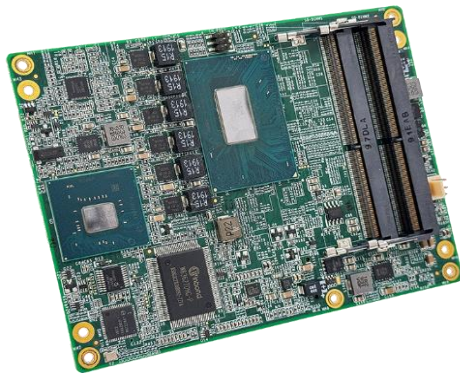


# ACM-XE21B6

COM Express Basic Type 6 Module with  
Intel® Core™ i7



## Features

- Newest platform and highest performance COM Express Basic Type 6
- The Intel CM246 Chipset
- Intel® Core™ i7-9850HE
- Support 2 x DDR4 SODIMM, up to 64 GB
- 24 x PCIe Lanes
- 1 x GbE

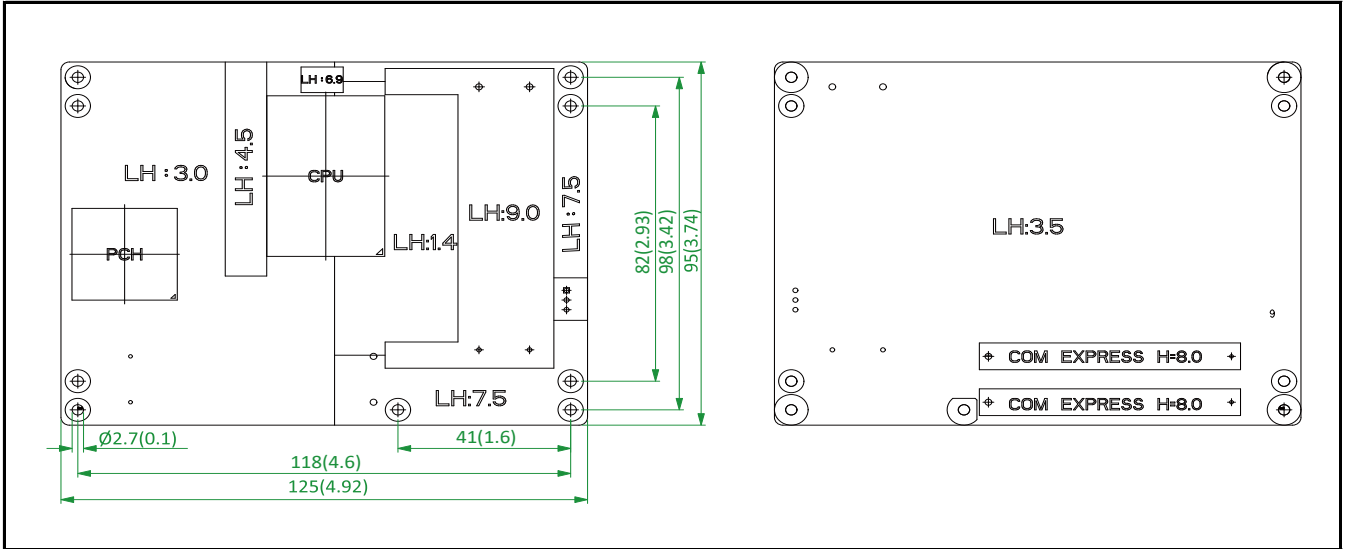
## Specifications

System	
CPU	Intel® Core™ i7-9850HE Processor
Chipset	Intel CM246
Memory	2 x 2666 DDR4 SODIMM up to 64 GB, Default configuration: 32 GB (2 x 16 GB): ACM-XE21B6 64 GB (2 x 32 GB): ACM-XE21B6 64G
BIOS	AMI
WatchDog Timer	Software programmable 0 ~ 255 sec.
Video (Support by Carrier Board)	
Graphic Controller	Intel® UHD Graphics 630
Video Interface	1 x VGA 1 x Digital Display
Storage (Support by Carrier Board)	
SATA	4 x SATA III
I/O (Support by Carrier Board)	
Ethernet Chip	1 x Intel® I210IT GbE LAN, supports PXE Boot
Expansion Interface	16 x PCIe 3.0 Lanes: • 1 x PCIe 3.0 x16 (or 2 x PCIe x8), Select by Bios setting 8 x PCIe 2.0 Lanes: • 6 x PCIe 2.0 x1 (AB connector) • 2 x PCIe 2.0 x1 (CD connector)
Serial Interface	2 x COM port Interface (Tx/Rx only)
USB	4 x USB 3.1 8 x USB 2.0
GPIO	8-bit Digital I/O, 4-bit DI and 4-bit DO
Audio Codec	Intel High Definition Audio

Software	
OS Support	Linux Kernel 4.14 & above
Mechanical & Environment	
Dimension	125 x 95 mm (4.92" x 3.74") COM Express Basic
Weight	TBD
Operating Temperature	0 ~ 60 °C (32 ~ 140 °F)
Storage Temperature	-20 ~ 80 °C (-4 ~ 176 °F)
Relative Humidity	0% ~ 90%, non-condensing
Safety	CE, FCC compliant

# Dimension

Unit: mm / inch



# Ordering Information

## Packing List

1 x ACM-XE21B6

## Part Number

<b>ACM-XE21B6</b>	Intel® Core™ i7 9850HE , COM Express Basic Type 6 Module with 32 GB DDR4 Memory
<b>ACM-XE21B6 64G</b>	Intel® Core™ i7 9850HE , COM Express Basic Type 6 Module with 64 GB DDR4 Memory