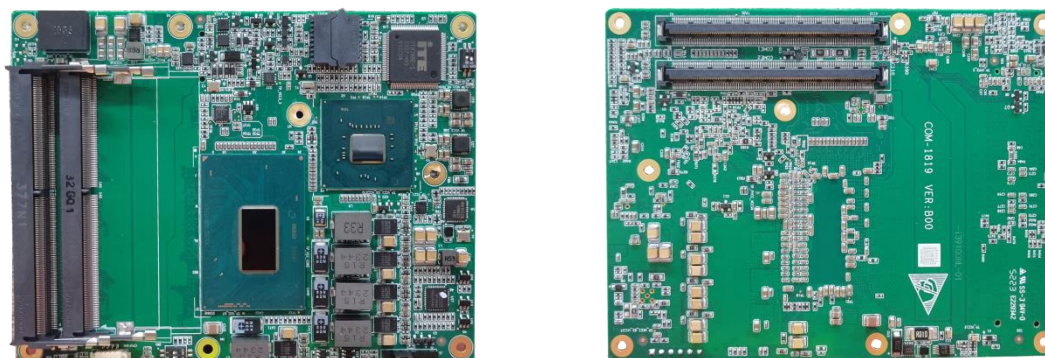


COM-1819

Type 6 COM Express Compact Module/Intel® Core™

COM-1819 is a Type6 COM Express Basic Module motherboard based on Intel® Coffee lake H platform, onboard Intel® i7-9850HL/i7-9850HE/i3-9100HL processor, QM370 chipset, and integrated graphics card Intel® HD Graphics 630. With two DDR4 SO-DIMM memory slots supporting up to 64GB, powerful computing and rich interfaces, which could be widely used in military, automation, power, communication, transportation, medical and other fields.



Features

- Onboard Intel® i7-9850HL/i7-9850HE/i3-9100HL processor
- Support dual-channel DDR4 2133/2400/2666 MHz, 2 x SO-DIMM memory slots, memory capacity up to 64GB.
- Rich signal interfaces, 4 x USB 2.0, 4 x USB 3.1, 2 x COM, 4 x SATA3.0, 1 x Gbe, 8 x GPIOs
- Support eDP, 3 x DDI(Expandable VGA/DP/HDMI/DVI via carrier board)
- Support expansion 8 x PCIe1+1 x PCIe16, SPI, I2C, SMBUS, LP and other expansions
- Support wide voltage power supply (8.5V-16V)
- Operating temperature -40°C ~ 85°C

Specifications

Module	COM Express® basic, Type 6
Processor	Intel® Core™ i7- 9850HE/i7-9850HL/i3-9100HL
Chipset	QM370
Memory	2 x SO-DIMMs DDR4, single slot support up to 32 GB 2133/2400/2666 MHz
Storage	4 x SATA3.0
Display	3 x DDI channel(3 x DP++ as default, other displays such as VGA, DVI can be configured), 1 x eDP
USB	4 x USB2.0/4 x USB3.1
Network	1 x 10/100/1000Mbps GbE
Audio	1 x HDA
Other interface signal	2 x COM, 8 x GPIO(4 x GPI/4 x GPO), I2C, SPI, LPC, SMBus



BUS expansion	4 x PCIe x1, 1 x PCIe x4 , 1 x PEG x16. 1 x PCIe x16 could divide to 2 x PCIe x8 or 1 x PCIe x8+2 x PCIe x4, 1 x PCIe x4 could divide to 4 x PCIe x1(by custom Bios)
Power	Adopt single 12V power supply or 5VSB plus 12V dual power supply, support S0, S1, S5, support AT/ATX mode. Single power supply can support wide voltage 8.5V ~ 16V input.
Environment	Operating temperature : 0°C ~ +60°C (Support expand -40°C ~ +85°C)
	Storage temperature : (-40) °C ~ (+85) °C
	Constant heat & humidity: 40°C 93%RH(non-condensing)
Size	125mm * 95 mm
OS	Windows 10, Linux (Ubuntu)

Ordering Information

P/N	Module	Description
0030-024411	COM-1819-i79850HE	COM Express Basic Type6 Module/QM370/Onboard Intel® Core™ i7-9850HE 2.7GHz CPU/2xSO-DIMMs DDR4 /3xDP++/1xEDP /4*SATA/1xGBE/4xUSB3.1/4xUSB2.0/2xCOM/1xHAD/4xPCIe x1/1xPCIe x4/1x PCIe x16/ -40°C ~ +85°C
0030-024391	COM-1819-i79850HL-01	COM Express Basic Type6 Module/QM370/Onboard Intel® Core™ i7-9850HL 1.9GHz CPU/2x SO-DIMMs DDR4/3xDP++/1xEDP/ 4xSATA/1xGBE/4xUSB3.1/4xUSB2.0/2xCOM/1xHAD/4xPCIe x1/1xPCIe x4/1x PCIe x16/0°C ~ +60°C
0030-024401	COM-1819-i79850HL-02	COM Express Basic Type6 Module/QM370/Onboard Intel® Core™ i7-9850HL 1.9GHz CPU/2x SO-DIMMs DDR4/3xDP++/1xEDP/ 4xSATA/1xGBE/4xUSB3.1/4xUSB2.0/2xCOM/1xHAD/4xPCIe x1/1xPCIe x4/1x PCIe x16/-40°C ~ +85°C
0030-024631	COM-1819-i39100HL-01	COM Express Basic Type6 Module/QM370/Onboard Intel® Core™ i3-9100HL 1.6GHz CPU/2xSO-DIMMs DDR4/3xDP++/1xEDP/ 4xSATA/1xGBE/4xUSB3.1/4xUSB2.0/2xCOM/1xHAD/4xPCIe x1/1xPCIe x4/1x PCIe x16/0°C ~ +60°C
1500-016181	COM-1819 radiator	Include heat conduction board, CPU radiator
0050-001801	EDB-COM16	Carrier board for testing



Dimension

