

B310/B410英特尔第八代赛扬4205U i3-8145U i5-8265U i7-8565U迷你ITX主板双局域网

产品名称	B310/B410英特尔第八代赛扬4205U i3-8145U i5-8265U i7-8565U迷你ITX主板双局域网
公司名称	北京天开创新技术有限公司
价格	1055.00/件
规格参数	
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产品详情

Intel Celeron Processor J4125 4M Cache, up to 2.70 GHz
Product Collection Intel Celeron Processor J Series
Code Name Products formerly Gemini Lake Refresh
Vertical Segment Mobile
Processor Number J4125
Status Launched
Launch Date Q4'19
Lithography 14 nm
Use Conditions PC/Client/Tablet
CPU Specifications
Total Cores 4
Total Threads 4
Burst Frequency 2.70 GHz
Processor Base Frequency 2.00 GHz
Cache 4 MB
TDP 10 W
Embedded Options Available No
Max Memory Size (dependent on memory type) 8 GB
Memory Types DDR4/LPDDR4
upto 2400 MT/s
Processor Graphics Intel UHD Graphics 600
8th Generation Intel Core i5 Processors i5-8265U
Launched Q3'18
Lithography 14 nm
Total Cores 4
Total Threads 8
Frequency 1.6Ghz up to 3.9Ghz
Cache 6 MB
TDP 15 W
DDR4-2400, LPDDR3-2133

Intel Celeron Processor 5000 Series
Launched Q4'19
Lithography 14 nm
Total Cores 2
Total Threads 2
Frequency 1.9Ghz
Cache 2 MB
TDP 15 W
DDR4-2400, LPDDR3-2133

Intel Celeron Processor J Series
Launched Q1'21
Lithography 10 nm
Total Cores 4
Total Threads 4
Frequency 1.8Ghz up to 3.0Ghz
Cache 1.5 MB
TDP 10 W
4x32 LPDDR4/x 3733 MT/s
Max (8GB, 16GB @3200 MT/s) / 2x64 DDR4 3200 MT/s
Max 32GB

Product features:
Onboard Intel Core 8th generation Whiskey Lake-U / 10th generation Comet Lake-U series processor
two DDR4 SODIMMs, up to 64GB
TPM 2.0
1*HDMI 2.0, 1*VGA, 1*LVDS/eDP (one of two)
1*PCIe_x4 interface, supporting NVMe
Intel i225 2.5G network card (single and dual network optional) or Intel i211 network card (single and dual network optional)
6*COM1*Key-E

Product specifications
Processor system Onboard Intel Core 8th generation Whiskey Lake-U / 10th generation Comet Lake-U series processors
EFI BIOS
Memory Two DDR4 2666Mhz SO-DIMM dual channels, with a maximum support of 64GB
Display 24 bit dual channel LVDS, 1920x1200; eDP, 4096x2304@60Hz (one of LVDS and EDP)
1*VGA, 2048x1536; 1*HDMI 2.0, 4096x2304@60Hz
Storage Two SATA3, (one of SATA1 and MSATA, one of

SATA2 and onboard SSD)1*MSATA interface, supporting SanDisk protocol (choose one from SATA1)Onboard SSD 32gb/64gb/128gb (choose between onboard SSD and SATA2)I/o interface DC jack, VGA, HDI, 2*LANs, 2*USB3.1, Line out, MIC inother TPM2.0Two Intel i225 2.5G network cards (when the I/O interface is four USB, there is only one network card)1*PCIe_X4 interface, supporting NVME1*Key-E, WiFi Module1*MINIPCIE, supporting PCIe and USB2.0 protocol (only one set of USB8/9 pins is available when there is USB signal)4*RS232, 2*RS422/485 (optional 6 RS232, or 5 RS232 and 1 RS422/RS485)Four USB3.1. When using Celeron Pentium processor, there are only two USB3.1 and six USB2.0Aluminum fan radiator (support automatic and manual fan speed adjustment)1*PS/2 pin interface8-bit GPIO, providing routines; Support touch screen0-255 seconds watchdog, providing watchdog routinesPower Supply DC12V power supply (the current of the selected power supply needs to reach 7a or above)work environment Working temperature: -20 ~ +60 ; Working humidity: 0% - 90% relative humidity, no condensationStorage temperature: -40 ~ +85 ; Storage humidity: 0% - 90% relative humidity, no condensationOperating system Windows10,Windows11,LinuxSize 170x170mmWeight 228g without heat sink, 310g with heat sinkFull System model: S-B310TP or S-B410TP

Features:Intel Core 8th generation Whiskey Lake-U / 10th generation Comet Lake-U Series i3/i5/i7 processors2*DDR4 SODIMM 260 Socket1*VGA 1*HDI 1.4 (support 4K display output)4 RS-232, 2 RS422/485 optional, RS485 supports automatic flow control (6 RS232 or 1 RS485/RS422, 5 RS232 can be selected)Support power on automatic startup function, jumper selectionSingle input DC power supply, DC12VStructure 236*185*85mm

Specifications:Size: 236*185*85mmCPU: Intel Core 8th generation Whiskey Lake-U / 10th generation Comet Lake-U Series i3/i5/i7 processorsChipset: Intel Whiskey lake-u or Comet Lake-U series SOCMemory: 2*DDR4 SODIMM 260 SocketNetwork: 2*Intel i211/i210/225v Gigabit EthernetAudio: Onboard HDA ALC662Storage: 1*SATA 3.0 1*MSATAColor: SilverFront Panel Interface: 2*LAN 1*HDI 1*VGA 4*COM 1*DC 1*MIC-IN 1*Line-OUT 2*USB3.0 2*WIFI 1*GNDRear Panel Interface: 2*COM 1*GPIO 4*USB2.0 1*POWER SWITCH KEYT 1*HDD Indicator 1*PWR INDICATOROrder InformationB310 Intel Core 8th generation Whiskey Lake-U Celeron 4205U/i3-8145U/i5-8265U/i7-8565UB410 Intel Core 10th generation Comet Lake-U Celeron 5205U/i3-10110U/i5-10210U/i7-10510U

B310-4205U MINI-ITX CPU 4205U 1.8Ghz 2C2T 2*SODDDR4 1*VGA 1*HDI 1*LVDS/eDP 1/2*LAN(Intel I225/I211) 8/6*USB 2/6*COM(RS485) GPIO DC12VB310-8265U MINI-ITX CPU i5-8265U 1.6/3.9Ghz 4C8T 2*SODDDR4 1*VGA 1*HDI 1*LVDS/eDP 1/2*LAN(Intel I225/I211) 8/6*USB 2/6*COM(RS485) GPIO DC12V

B410-5205U MINI-ITX CPU 5205U 1.6/2.7Ghz 2C2T 2*SODDDR4 1*VGA 1*HDI 1*LVDS/eDP 1/2*LAN(Intel I225/I211) 8/6*USB 2/6*COM(RS485) GPIO DC12VB410-10210U MINI-ITX CPU i5-10210U 1.6/4.2Ghz 4C8T 2*SODDDR4 1*VGA 1*HDI 1*LVDS/eDP 1/2*LAN(Intel I225/I211) 8/6*USB 2/6*COM(RS485) GPIO DC12V