

ITX-B641_J116L



Main Features

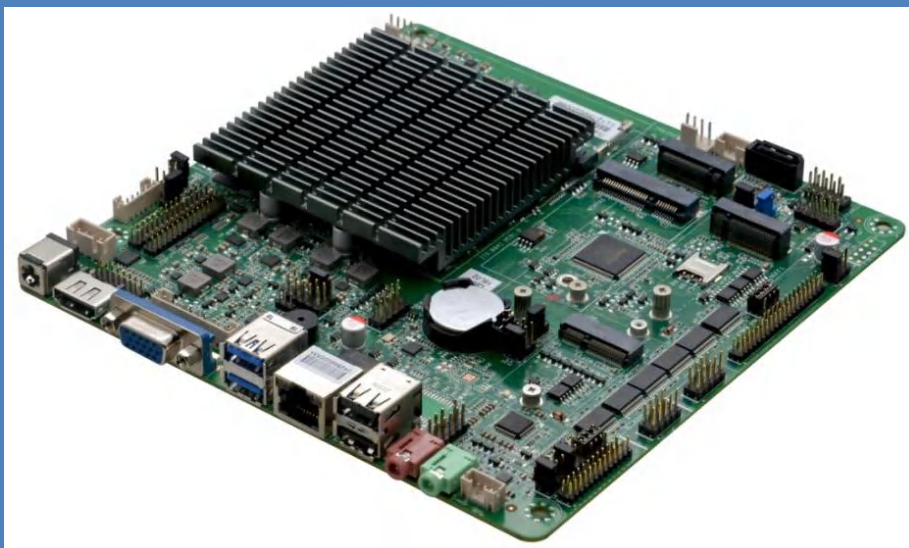
- Integrated Celeron J6412/2.0GHz quad-core Processors
- 1x DDR4 RAM slot, up to 16GB
- 1x RJ45 GbE ports
- 1x VGA, 1x HDMI, 1x LVDS / EDP
- 1x 7pin SATA3.0; 1x MSATA SSD; 1x M.2 SSD; 2x M.2 (WIFI/5G)
- 8x USB; 6x COM; 1x SIM; 1x LPT
- DC 12V Power Input

Specification :

Model No.	ITX-B641_J116L VER:1.0(J6412)
Processor	Integrated Intel®Celeron J6412 2.0GHz quad-core quad-thread processor, TDP 10W Compatible with Intel® Elkhart Lake full range of CPUs, providing customers with flexible choices
Chipset	SOC
Memory	1x SODIMM slot, supports single-channel 2400MHz DDR4 memory, maximum support 16GB
Graphics	Intel® UHD Graphics
	1x VGA, 1x HDMI, 1x LVDS, 1x EDP Note: LVDS and EDP interfaces are adaptive and can be selected from either
Network	1x RTL8111H Gigabit network card, support network wake-up, PXE function
Storage	1x 7pin SATA3.0 hard disk interface, transmission rate up to 6Gbps
	1x MSATA slot, supports SSD solid state drive, SSD transmission speed up to 6Gbps
	1x M.2 slot, supports M.2 Key M 2260/2280 PCIE X2 specification SSD
Audio	Onboard ALC897 7.1+2 channel high-fidelity audio controller, supports MIC/Line-out. amplifier
	Power amplifier 4Ω 3W speaker
Expansion slots	1x M.2 slot, supports M.2 Key B 2242/2252 5G module
	1x M.2 slot, supports M.2 Key E 2230 WIFI module
Rear I/O interface	1x DC 12V power input interface
	1x HDMI
	1x VGA
	1x RJ45 Gigabit network interface
	2x USB3.0
	2x USB2.0
	1x Line out (Green) 1x MIC (red)
Built in I/O interface	1x DC power interface 1*4pin, supports 12V power input and output
	1x JVGA interface 1*12pin, same signal as DB15
	1x J_HDMI interface, 2*8pin, same signal as HDMI
	1x LVDS interface, 2*15pin, supports dual-channel 24BIT
	1x EDP interface, 2*15pin, adaptive to LVDS
	1x screen backlight power supply interface 1*6pin
	4x USB2.0 interface, 2*5pin
	6x RS232 serial interface, COM1/2 supports 9th pin with power, COM2/COM3 supports RS485/422 function
	1x hard disk power supply interface 1*4pin
	1x front audio interface 2*5pin
	1x power amplifier interface 1*4pin
	1x LPT, 2*13pin

	1x SIM slot
	1x Front panel function button and indicator light interface 2*5pin
Fan interface	Fanless cooling, reserved 1*4pin CPU smart fan interface, 1*4pin system fan interface
Power input	DC 12V
BIOS	256Mb Flash ROM
GPIO	Supports 4 input and 4 output GPIO interfaces
Watchdog	Support hardware reset function (256 levels, 0~255 seconds)
OS	Windows 10/Windows 11/Linux
Working Temp.	-10℃～60℃
Storage Temp.	-20℃～70℃
Working Humidity	5%-95%(relative humidity; non-condensing)
Dimension	170mm x 170mm

Drawing:



Ordering info:

NO.	Model	Processor	Frequency	Memory	VGA	HDMI	LVDS	EDP	LAN	USB	COM	485/422	Power
1	ITX-B641_J126L VER:1.0	J6412	2.0G	1*SODDDR4	1	1	2ch*24BIT	1	2*8111H	6	6	COM2/3	DC12V
2	ITX-B641_J112L VER:1.0	J6412	2.0G	1*SODDDR4	1	1	2ch*24BIT	1	1*8111H	8	2	COM2	DC12V
3	ITX-B641_J116L VER:1.0	J6412	2.0G	1*SODDDR4	1	1	2ch*24BIT	1	1*8111H	8	6	COM2/3	DC12V