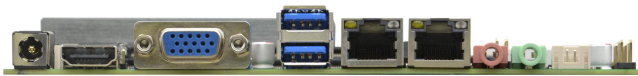# ITX-B683_I522L VER:1.0(6300U)

ITX-B683_I522L VER:1.0 主板正面图

ITX-B683_I522L VER:1.0 主板 IO 图

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ITX-B683_I522L　VER:1.0 主板侧面图

Product model	ITX-B683_I522L VER:1.0（6300U）
processor	Integrated Intel®I5-6300U 2.4GHz dual-core quad-thread processor,TDP 15W
	Compatible with Intel® Skylake-U/Kabylake-U Pentium/Celeron/I3/I5/I7 low power processors
Chipset	SOC
Internal memory	2 * DDR4 SODIMM slots, supporting 2133 MHZ memory and a maximum of 32GB memory
Display	Integrated Intel®HD Graphics S520, support DirectX 12, OpenGL 4.5, support 4K
	The maximum resolution supported by the 1 x VGA port is 1920X1200@60Hz
	1*HD OUTPUT1.4 port, the highest resolution supported is 4096X2304@24Hz
	1* Supports dual-channel 24bit LVDS interface
	1*EDP interface, and LVDS interface to choose one of the two through the jump
Network	2* Intel WGI210AT Gigabit network adapter, supporting network wake up and PXE functions
Deposit	1* SATA3.0 hard disk interface, transmission speed up to 6Gbps
	1* MSATA slot, support Intel protocol SSD, transmission speed up to 6Gbps
	1* M.2 slot, supporting M.22280 NVMEPCIE X4 or SATA SSDS
	Note:MSATA and TPM-4COM are optional. Four serial ports can be extended by TPM-4COM. The default port is MSATA
Tone frequency	Integrated ALC888S 7.1+2 channel high fidelity audio controller, support MIC, Line_out, power amplifier

	Support power amplifier 2Ω 5W speaker
Expansion Slot	1* Mini-PCIE slot, supporting WIFI/4G module
I/O ports on the backplane	2* USB3.0 port
	1* HD OUTPUT port
	1 x DB15 VGA port
	2* RJ45 Gigabit network interface
	1*Line-out(green), 1*MIC(red)
	1*DC12V power supply Supports 12V power input and output
Built-in I/O interface	1* JVGA1 Interface 1*12pin(same signal as DB15)
	1* JHD OUTPUT interface 2*8pin(same signal as HD OUTPUT interface)
	1* LVDS interface 2*15pin, support dual channel 24bit
	1* EDP interface (yellow) 2*15pin, with LVDS for one of two via jump
	1* LVDS backlight power supply interface 1*6pin
	2* RS232 serial interface, where COM1 supports 9pin live, COM2 supports RS485/422 function
	6* USB2.0 interface 2*5pin
	1* front audio interface 2*5pin
	1* Front panel switch button and indicator port 2*5Pin
	1* hard drive power port 1*4pin
	1* power amplifier interface 1*4pin
	1* LPT print interface 2*13pin
	1* PS/2 keyboard and mouse interface
	1* 4pin DC power interface (12V input/output power interface)
	1* SIM card slot
Fan interface	1*4pin CPU intelligent fan interface, 1*4pin system fan interface
GPIO	Supports four input/output GPIO

BIOS	64Mb Flash ROM
Guard dog	Support hardware reset function (256 level, 0~255 seconds)
Power supply type	Adopts DC 12V power supply
Operating system	Windows 7 , Windows 10 , Linux
Operating temperature	-10℃ to 60℃
Storage temperature	-20℃ to 70℃
Working humidity	5%-95% relative humidity, no condensation
Dimension	170mm x 170mm

订购信息

NO.	Model	Processor	Frequency	Memory	VGA	HD OUTPUT	LVDS	EDP	LAN	USB	COM	485/422	Power
3	ITX-B683_I522L VER:1.0(6300U)	I5-6300U	2.4G	2*SODDR4	1	1	2ch/24Bit	1	2*210AT	8	2	COM2	DC12V