



Product model	SD890-321_I512L (3210M)
processor	Integrated Intel®Core I5-3210M /2.5GHz dual-core quad-thread processor, TDP 18W,Compatible with Intel® Sandy /Ivy Bridge Celeron/Pentium/I3/I5/I7 BGA1023 low power processors
	Compatible with Intel® Sandy /Ivy Bridge Celeron/Pentium/I3/I5/I7 BGA1023 low power processors
chipset	Intel® HM76 high-speed chipset
Internal memory	1*SODDR3 memory slot, supporting single-channel DDR3 1600/1333 memory, supporting a maximum of 8GB
display	Integrated Intel® HD Graphics4000 core graphics card, support single display, dual display mode, extended mode,1*VGA, 2*HD OUTPUT, 2*EDP interface or 1* LVDS, 1*EDP display
	Note:LVDS and EDP are adaptive, supported display combinations are :LVDS single display, EDP1 single display, LVDS+EDP2 dual display, EDP1+EDP2 dual display,
	J_EDP2 can not be used alone, the use of dual display, brightness adjustment is ineffective, only the single display is effective. EDP2 backlight control is shared with EDP1.

network	1* RTL8111H Gigabit NIC, supports network wake up and PXE functions.
Store	1* SATA2.0 hard disk interface, transmission rate up to 3Gbps
	1*MSATA slot, support SSD SSD,SSD transmission speed up to 6Gbps
Tone frequency	Onboard ALC262 6-channel hi-fi audio controller with MIC/Line-out support. Power amplifier
	The power amplifier is recommended to use a 2Ω3W speaker
expansion	1* Mini-PCIE slot, supporting WIFI, 3G/4G modules
I/O ports on the backplane	2* USB3.0,2 x USB2.0
	1* HD OUTPUT port
	1* VGA port
	1* RJ-45 Gigabit network interface
	1* Line out (green)
	1* Mic (red)
	1* 12V DC_JACK input
Built-in I/O interface	2* EDP interface
	1* LVDS port. The LVDS port and J_EDP1 are either optional
	1* screen backlight power supply 1*6pin(optional)
	1* J_HD OUTPUT interface (2*8Pin)
	1* JVGA1 interface (1*12pin), same signal as DB15
	2* RS232 serial port (COM1/COM2 9pin support live function)
	1* LPT print port (2*13pin)
	6* USB 2.0 interface (2*5pin),
	1* PS/2 Mouse and keyboard interface (1*6Pin)
	1* Front panel function buttons and indicator ports (2*5pin)
	1* Front panel audio interface (2*5pin)
	1* Power amplifier interface (1*4pin)
	1* SIM card seat
	1* Hard disk power supply (1*4pin)
1* 4pin DC power interface, support 12V power input and output	

Fan interface	1*4pin CPU intelligent fan interface,1*4pin system fan interface
GPIO	Supports four input/output GPIO
BIOS	32Mb Flash ROM
Guard dog	Support hardware reset function (256 level, 0~255 seconds)
Operating system	Window 7/Windows 10/Linux
Power supply type	Adopts DC 12V power supply
Operating temperature	-10°C to 60°C
Storage temperature	-20°C to 70°C
Working humidity	5%-95% relative humidity, no condensation
dimension	170mm * 170mm

