



Product model	SD890-85M3
processor	Support LGA1150 4th Intel Celeron/Pentium/Core i3/i5/i7 processors with LGA1150 architecture
chipset	Intel Q85 high-speed chipset
memory	2 x DDR3 DIMM slots, supporting a dual-channel memory of 1600mhz, 1333mhz, or 1066MHz, with a maximum of 16GB
reveal	Integrated Intel® HD Graphics controller with 1*VGA port and 2*HD OUTPUT1.4 port
	Supports single display, dual display mode, and extended mode
network	1* Intel I211AT Gigabit network adapter, supporting network wake up and PXE functions
	1* Intel I219V Gigabit network adapter, supporting network wake up and PXE functions
store	2* SATA 3.0 hard disk interface,SATA interface transmission speed up to 6Gbps
	1* MSATA SSD interface, transmission speed up to 6Gbps

Audio frequency	Integrated ALC888S 7.1+2 channel hi-fi audio controller, support Mic, Line out
Expansion slot	1* PCIE2.0 x16
	1* PCE2.0 x4
	2* PCI
	1* Mini-PCIE slot, WiFi(TPM-4COM expansion 4 serial port is optional, and the corresponding BIOS is required)
I/O ports on the backplane	1* PS/2 keyboard and mouse interface
	1 x VGA display port
	1* HD OUTPUT display interface
	2* RS232 serial port, support 9pin live function, support RS485/422 function
	2* USB 2.0 port
	4* USB 3.0 interface
	2* RJ-45 Gigabit network interface
	1* Line out interface (green), 1* MIC interface (red)
Built-in I/O interface	4* RS232 serial port,2*5pin row pin
	1* JVGA port 1*12pin pin row, the same signal as the external VGA
	1* JHD OUTPUT port Red 2*8pin row pin
	1* PS/2 keyboard and mouse interface 1*6pin red row pins
	1* LPT print port 2*13pin row pins
	1* front audio interface 2*5pin row pins
	4* USB 2.0 port 2*5Pin row pins
	1* USB2.0 port USB TYPE A
	1* Front panel function buttons and indicator ports 2*5pin row pins
	1* 24pin ATX power input interface
	1* 8pin ATX power input interface
Fan interface	2*4pin CPU intelligent fan interface, 2*4pin system intelligent fan interface
GPIO	Supports four input/output GPIO functions
BIOS	64Mb Flash ROM
Guard dog	Support hardware reset function (256 level, 0~255 seconds)

Operating system	Windows 7/ 10 /Linux
Power supply type	24Pin ATX power supply
Operating temperature	-10°C to 60°C
Storage temperature	-20°C to 70°C
Working humidity	5 ~ 90% relative humidity, no condensation
dimension	245mm x 220mm

