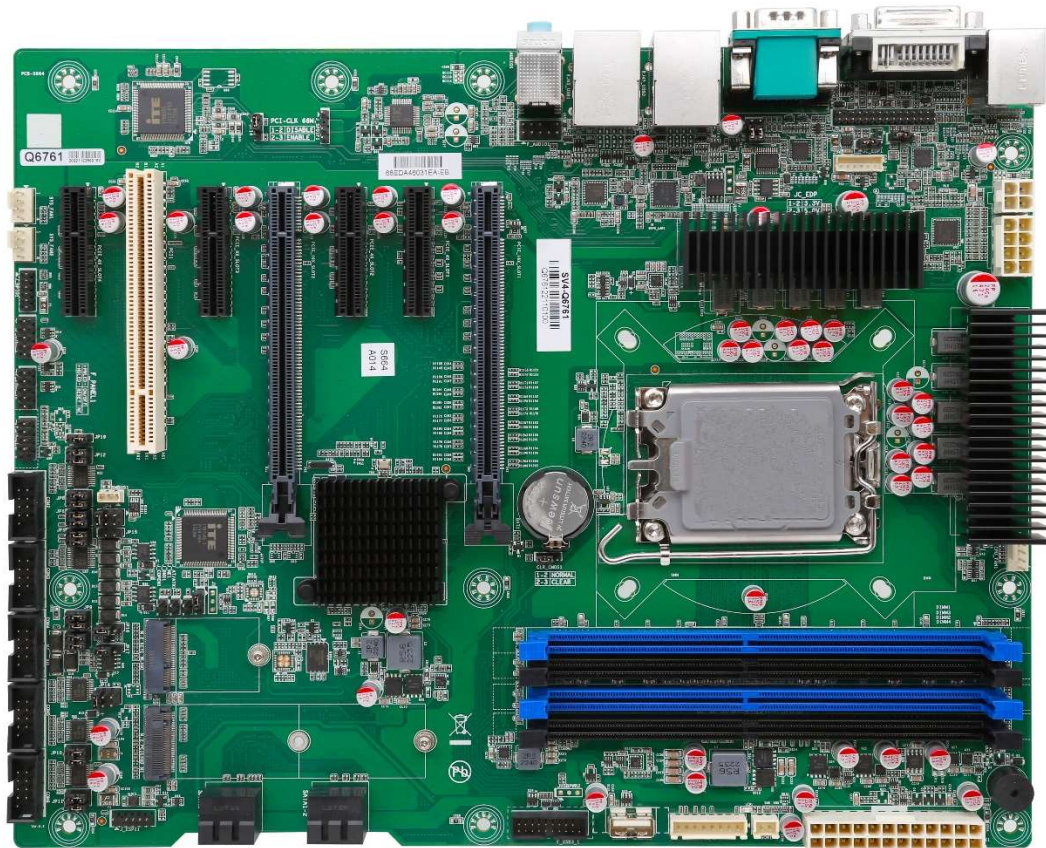


技术规格书

XSZL-Q67518

武汉芯树智连科技有限公司



产品概述

XSZL-Q67518基于 Intel® 12th Generation Core / Pentium/ Celeron Desktop CPU, LGA1700 Support MAX CPU TDP: 8+8 Core 125W 系列CPU开发的一款高性能的单路主板。适用于高性能计算，为数据中心、私有云以及企业，在性能、经济性和内建功能方面提供一款极为灵活的服务器主板。

产品特点

支持Intel® 12th Generation Core / Pentium/ Celeron Desktop CPU, LGA1700 Support 125W处理器。

4个DDR4 3200MHz Non-ECC UDIMM slots Up to 128GB;

具有多个扩展接口 1 x M.2 Key-E; 2 个PCIE 16X; 4 个PCIE 4X ; 1 个PCI;

2个千兆网络控制器，芯片采用Intel I225-V和I219-V。

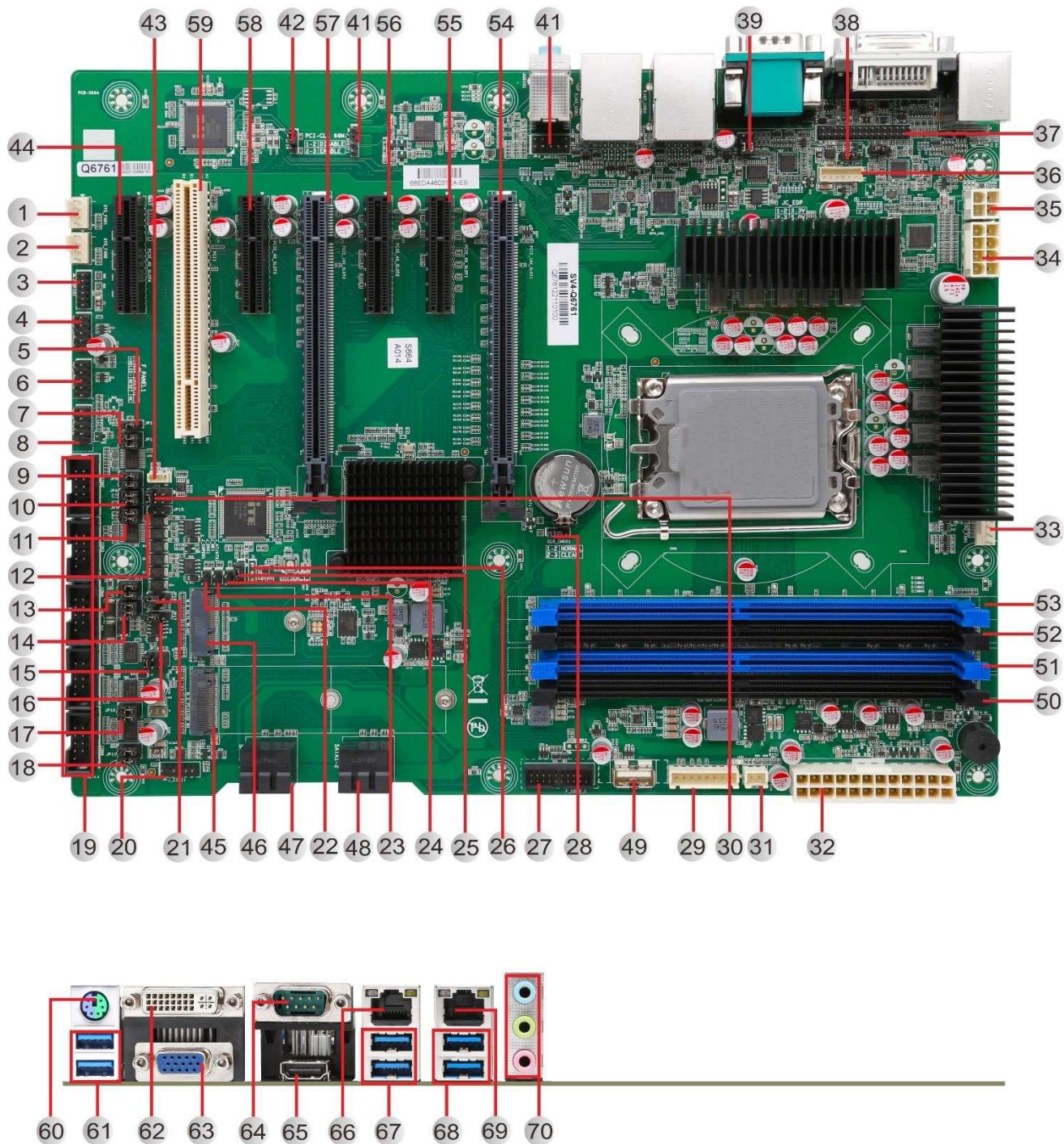
应用领

应用于高性能计算，私有云以及企业，在性能、性价比和内建功能方面提供一款极为灵活的服务器主板。多用于通讯、智能交通、监控、金融、石化、环保、军工、电力、高速公路等。

产品规格参数

CPU	Intel® 12th Generation Core / Pentium/ Celeron Desktop CPU, LGA1700 Support MAX CPU TDP: 8+8 Core 125W
芯片组	Intel® Q670
内存	4 x DDR4 3200 Non-ECC UDIMM slots Up to 128GB
供电接口	24Pin ATX CPU 8Pin x 1 CPU 4Pin x 1
显示	1 x VGA DB15 1 x DVI-D 1 x HDMI 1 x eDP Header
网络	1 x Intel I219-V 1 x Intel I225-V
存储	4 x 7Pin SATA3.0 1 x M.2 Key-M Slot (PCIe x4 GEN4 NVMe/SATA SSD Auto Detect, 2242/2280)
I/O	1 x VGA DB15 1 x DVI-D 1 x HDMI 6 x USB3.0 2 x 标准 RJ45 1 x Front Audio Header (Line-Out + MIC) 1 x SPDIF Out Header 1 x Line-out + Line-in + MIC 3.5mm Jack 1 x PS/2 1 x COM
内部接口	2 x PCIE 16X; 4 x PCIE 4X 3 x Fan Header 1 x PCI Slot 1 x SMBUS Header 1 x Front Panel Header 8 x GPIO 4 x USB2.0 (Header, Internal) 2 x USB3.0 (BOX Header, Internal) 1 x USB2.0 (TYPE-A, Internal) 1 x ESPI Header 1 x Case Open Header
BIOS	AMI UEFI BIOS
环境温度	Storage: -20~75°C Operating: 0~60°C
尺寸	305mm * 244mm

主板接口介绍



Jumpers / Headers and Connectors

1	SYS_FAN1	System FAN Wafer1
2	SYS_FAN2	System FAN Wafer2
3	J_GPIO1	GPIO Header
4	F_USB2_2	Front USB2.0 Header2
5	JP19	Watch Dog Reset Enable/Disable Select Jumper
6	F_USB2_1	Front USB2.0 Header1
7	JP12	COM2 VCC5/DCD+VCC12/RI Select Jumper
8	F_PANEL1	Front Panel Header
9	JP8	COM3 VCC5/DCD+VCC12/RI Select Jumper
10	JP6	COM3 RS232/RS422 Select Jumper2
11	JP5	COM3 RS232/RS422 Select Jumper1
12	JP15	COM3 RS422 RX Signal 120Ω Resistive termination Select Jumper
13	JP9	COM4 VCC5/DCD+VCC12/RI Select Jumper
14	JP7	COM4 RS232/RS485 Select Jumper1
15	JP18	COM4 RS232/RS485 Select Jumper2
16	JP17	COM4 RS485 Signal 120Ω Resistive termination Select Jumper
17	JP10	COM5 VCC5/DCD+VCC12/RI Select Jumper
18	JP11	COM6 VCC5/DCD+VCC12/RI Select Jumper
19	COM2-6	COM2/3/4/5/6 Box Header
20	J_ESPI1	ESPI Header (Debug Only)
21	JP16	COM3 RS422 TX/RS485 Signal 120Ω Resistive termination Select Jumper
22	J_COPEN1	Case Open Header
23	J_DNX1	DNX Force Reload Disable/Enable Select Jumper
24	J_ME1	ME Flash Jumper
25	J_AT/ATX1	AT or ATX Select Jumper
26	J1	MCU Debug Header (Default not onboard)
27	F_USB3_1	Front USB3.0 Box Header

28	CLR_CMOS1	CMOS Clear Select Jumper
29	VOLT1	Power Monitor Wafer
30	JP4	COM3 RS232/422/485 Select Jumper3
31	PSON1	Power On Wafer
32	ATX1	ATX 24P CPU Power Input Connector
33	CPU_FAN1	CPU FAN Wafer
34	ATX2	ATX 8P CPU Power Input Connector
35	ATX3	ATX 4P CPU Power Input Connector
36	EDP_P1	eDP Backlight Control Wafer
37	EDP1	eDP Signal Header
38	JC_EDP1	eDP VDD Select Jumper
39	JP3	COM1 VCC5/DCD+VCC12/RI Select Jumper
40	F_AUDIO1	Front Audio Header (Line-Out + MIC)
41	J_SPDIF1	SPDIF Out Header
42	JP14	PCI CLK 66MHz Enable/Disable Select Jumper
43	SMBUS1	SMBUS Wafer
44	PCIE_4X_SLOT4	PCI-E 4x Slot4 (PCIe 4X)
45	M.2_PCISSD_M1	M.2 Key-M Slot (PCIe x4 GEN4 NVMe/SATA SSD Auto Detect,2242/2280)
46	M.2_KEYE_WLAN1	M.2 Key-E Slot (PCIe+USB2.0+ CNVi, support WIFI+BT/ CNVi Module, 2230)
47	SATA3-4	SATA3.0 7P Upright Connector3-4
48	SATA1-2	SATA3.0 7P Upright Connector1-2
49	USB2_1	USB2.0 Internal Vertical TYPE-A Connector
50	DIMM4	DDR4 CHB DIMM Slot4
51	DIMM2	DDR4 CHB DIMM Slot3
52	DIMM3	DDR4 CHA DIMM Slot2
53	DIMM1	DDR4 CHA DIMM Slot1
54	PCIE_16X_SLOT1	PCI-E 16x Slot1 (PCIe 16X) ^[1]
55	PCIE_4X_SLOT1	PCI-E 4x Slot1 (PCIe 4X)
56	PCIE_4X_SLOT2	PCI-E 4x Slot2 (PCIe 4X)
57	PCIE_16X_SLOT2	PCI-E 16x Slot2 (PCIe 8X) ^[1]
58	PCIE_4X_SLOT3	PCI-E 4x Slot3 (PCIe 4X)

59	PCI1	PCI Slot
60	PS/2_USB1(PS/2)	PS/2 Connector (Keyboard & Mouse)
61	PS/2_USB1(USB)	Dual USB3.0 TYPE-A Connector
62	DVI_VGA1(DVI)	DVI-I 24+4P/F Connector (Support DVI-D)
63	DVI_VGA1(VGA)	VGA DB15/F Connector
64	COM1	COM1 DB9/M Connector
65	HDMI1	HDMI TYPE-A Connector
66	RJ45_USB2(LAN)	GBE LAN RJ45 Connector2
67	RJ45_USB2(USB)	Dual USB3.0 TYPE-A Connector2
68	RJ45_USB1(USB)	Dual USB3.0 TYPE-A Connector1
69	RJ45_USB1(LAN)	GBE LAN RJ45 Connector1
70	AUDIO1	Line-Out + MIC + Line-In 3.5mm Jack