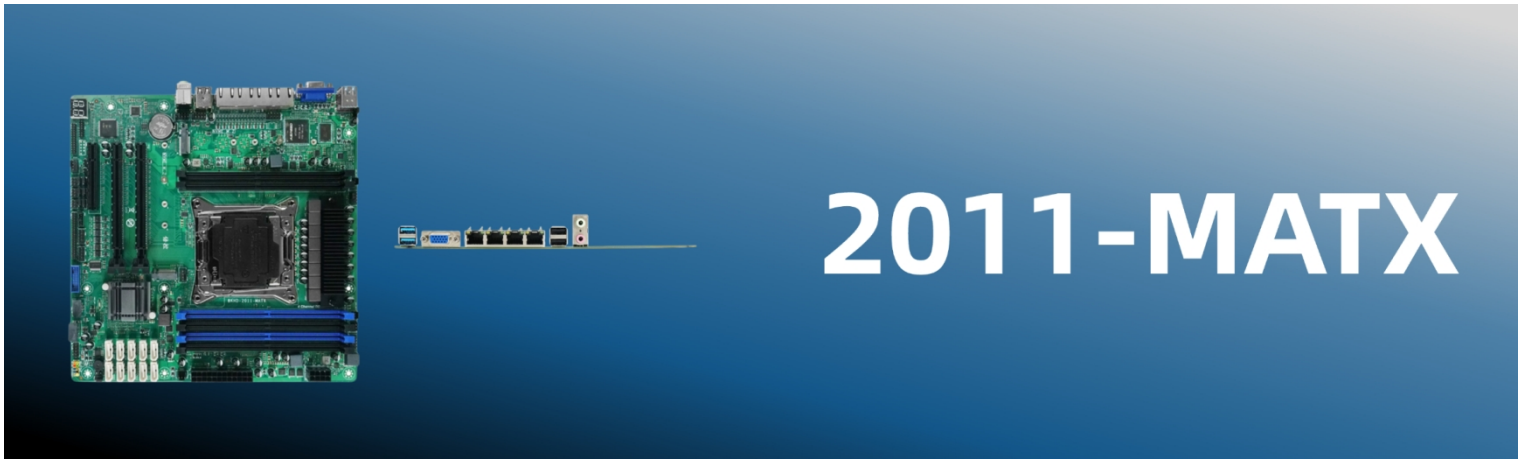


2011-MATX

Product Features

The 2011-MATX is a high-performance Micro-ATX motherboard based on the Intel Xeon E5 v4 platform and FCLGA2011-3 socket. Designed for servers, storage, network appliances, virtualization, and edge computing, it supports up to 384GB DDR4 memory. With 10x SATA 6Gb/s, dual M.2 SSD slots, 4x Intel I226V 2.5GbE LAN, multiple PCIe slots, ASPEED graphics, TPM, COM, LPT, USB headers, audio, and rich fan connectivity, it is ideal for industrial servers, NAS, security appliances, and OEM/ODM solutions.

Application Scenarios

Server Node

Network Firewall

Virtual Machine Cluster

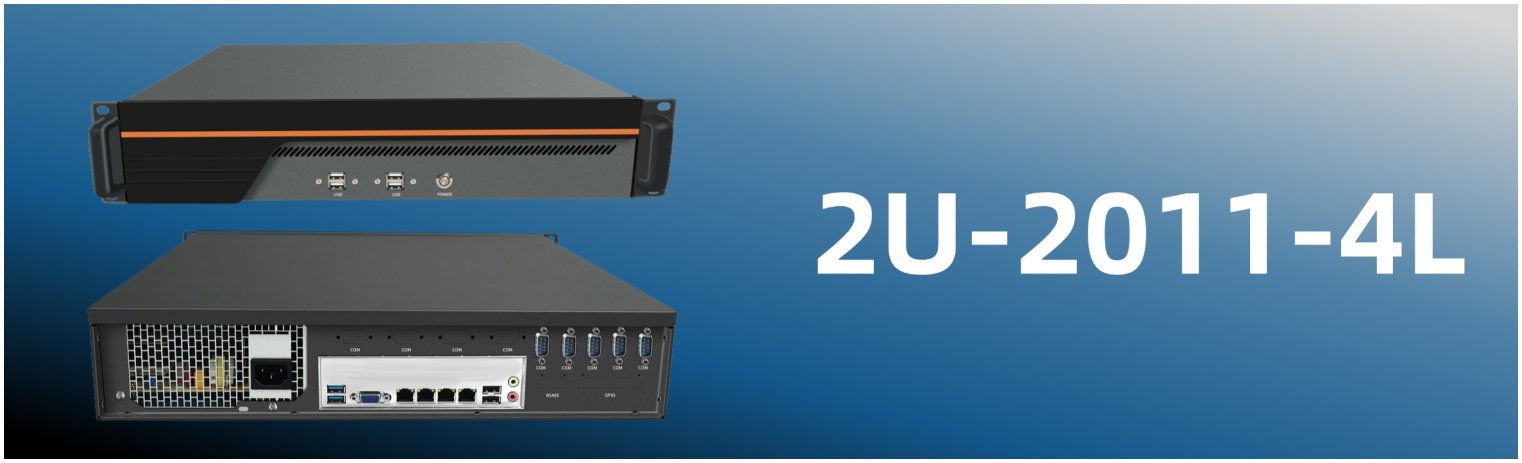
Industrial Automation

Processor	Product Collection	Intel Xeon Processor E5 v4 Family
	Sockets Supported	FCLGA2011–3
Memory specifications	Memory Type	DDR4 DIMM
	Maximum Capacity	384GB (6*64GB)
	Maximum Frequency	2400 MT/s
Storage specifications	SATA	10*SATA 6Gb/s
	M.2	2*M.2 Key–M (NVMe) SSD
Network features	Ethernet	4*2.5GbE
	Controller	4*Intel I226V
I/O Chip		ITE IT8786E–I
Extension interface	PCIe	1*PCIe x16 (Gen3), 1*PCIe x16 (Gen3 x8 rate), 1*PCIe x8 (Gen3)
Display functions	Port	1*VGA
	Chip	Based on onboard ASPEED AST2400 chip
Backplane I/O	Ethernet	4*RJ45
	USB	2*USB–A 3.0, 2*USB–A 2.0
	Display	1*VGA
	Audio	2*Audio Jacks (Line–Out / MIC–In)
Onboard I/O	SATA	10*SATA Data connector
	Pins	1*F_PANEL
		6*J_COM
		1*F_USB 2.0, 1*F_USB 3.0
		1*LPT
		1*TPM
		1*LAN LED

Copyright@Shenzhen Beikong Industrial Control Co., Ltd. All rights reserved

		1*F_AUDIO
		1*Case Open
	Fan power socket	4*4-pin CPU/SYS fan, 2*3-pin SYS fan, 2*2-pin SYS fan
	Power Connector	1*ATX 24-pin, 1*ATX 8-pin
Power supply mode	ATX	24 Pin+8 Pin
Motherboard size	Specification	245*245 (mm) Micro-ATX
Work Environment	Temperature	-10℃~60℃;
	Humidity	5%~90% (Relative humidity, no condensation)

Copyright@Shenzhen Beikong Industrial Control Co., Ltd. All rights reserved



Product Features

The 2U-2011-4L is a high-performance 2U rack-mount server powered by Intel Xeon E5 v4 processors. It features 4x 2.5GB RJ45 ports, 6x DDR4 DIMM slots (supporting up to 384GB of RAM), 4x SATA slots, and 2x M.2 NVMe SSD slots. With its extensive expansion interfaces and powerful data processing capabilities, it provides a reliable hardware solution for enterprise applications, virtualization platforms, and industrial control systems.

Application Scenarios

- Server Node
- Network Firewall
- Virtual Machine Cluster
- Industrial Automation

Processor	Product Collection	Intel Xeon Processor E5 v3/v4 Family	
	Sockets Supported	FCLGA2011–3	
Memory specifications	Memory Type	DDR4 DIMM	
	Maximum Capacity	384GB (6*64GB)	
	Maximum Frequency	2400 MT/s	
Storage specifications	SATA	Up to 4*SATA 6Gb/s	
	M.2	2*M.2 Key–M (NVMe) SSD	
Interface	Front Panel	USB	4*USB–A 2.0
		Button	1*Power Button
	Back Panel	Display	1*VGA
		Ethernet	*RJ45
		Audio	2*Audio Jacks (Line–Out / MIC–In)
		USB	2*USB–A 3.0, 2*USB–A 2.0
		Reserve	Up to 6*DB9 COM
		Power	1*AC Sockrt
Extension interface	PCIe	1*PCIe x16 (Gen3), 1*PCIe x8 Gen3(x16 slot), 1*PCIe x8 (Gen3)	
Cooling Method	Active Cooling, 1*CPU Fan/2*Chassis Fan		
System Specifications	Chassis Size	435*405*88 (mm)	
	Weight	Equipment Weight 6.40 KG; Package Weight 8.50 KG (including accessories)	
Power Mode	Input: 200V~240V AC 50/60Hz, Output: 200W MAX		
Work Environment	Temperature	0~50℃	
	Humidity	5%~90% (Relative humidity, no condensation)	

Copyright@Shenzhen Beikong Industrial Control Co., Ltd. All rights reserved



Product Features

The 2011-8-BAY-NAS is an 8-bay network-attached storage (NAS) server designed for enterprise-level data storage, multi-port network applications, and virtualization. It's ideal for building high-capacity storage systems, backup servers, or media databases. Powered by Intel Xeon E5 v4 series processors, the server has 8x hot-swappable drive bays, 2x M.2 SSD slots, and 4x 2.5 Gb RJ45 Ethernet ports. These features provide exceptional storage expansion and data processing capabilities.

Application Scenarios

- Enterprise NAS
- Media Server
- Virtual Machine Cluster
- Small data center

Processor	Product Collection	Intel Xeon Processor E5 v4 Family	
	Sockets Supported	FCLGA2011–3	
Memory specifications	Memory Type	DDR4 DIMM	
	Maximum Capacity	384GB (6*64GB)	
	Maximum Frequency	2400 MT/s	
Storage specifications	SATA	Up to 8*SATA 6Gb/s	
	M.2	2*M.2 Key–M (NVMe) SSD	
Interface	Front Panel	USB	2*USB–A 3.0
		Button	1*Power Button
		Storage	8*Hot Swap HDD Bay
	Back Panel	Display	1*VGA
		Audio	2*Audio Jacks (Line–Out / MIC–In)
		Ethernet	4*RJ45
		USB	2*USB–A 3.0, 2*USB–A 2.0
		Reserve	3*PCIe slot
		Power	1*AC Sockrt
Extension interface	PCIe	1*PCIe x16 (Gen3), 1*PCIe x8 Gen3 (x16 slot), 1*PCIe x8 (Gen3)	
Cooling Method	Active Cooling	Fan	1*CPU Fan/3*Chassis Fan
System Specifications	Chassis Size	305*310*220 (mm)	
	Weight	Equipment Weight 7.50 KG; Package Weight 9.80 KG (including accessories)	
Power Mode	Input: 90V~264V AC 50/60Hz, Output: 400W MAX		
Work Environment	Temperature	0~50℃	
	Humidity	5%~90% (Relative humidity, no condensation)	

Copyright@Shenzhen Beikong Industrial Control Co., Ltd. All rights reserved