



C246-8L

Product Features

The C246-8L is a high-performance motherboard built on the Intel C246 chipset. It supports Intel LGA1151 socket processors and features 8x 2.5GbE RJ45 Ethernet ports, versatile expansion slots, and multiple storage interfaces. Designed for demanding applications, it is optimized for networking, data storage, edge computing, and industrial automation. With its wide operating temperature range and industrial-grade reliability, the C246-8L is ideally suited for data centers, industrial IoT deployments, and professional embedded systems.

Application Scenarios



Network Security Appliance



Enterprise Gateway Platform



Industrial Automation Control



Edge Computing Platform

Processor	Product Collection	Intel C240 Series Chipsets
	Sockets Supported	FCLGA1151
Memory specifications	Memory Type	DDR4 SODIMM
	Maximum Capacity	64GB
	Maximum Frequency	2666 MT/s
Storage specifications	SATA	2*SATA 6Gb/s
	M.2	2*M.2 Key-M 2280 SSD
Network features	Ethernet	8*2.5GbE
	Controller	8*Intel I226V
Extension interface	PCIe 3.0	1*PCIe x16 (x8 rate); 1*PCIe x8 (x4 rate);
	M.2 Key-E	1*M.2 Key-E 2230 (PCIe/USB Signal)
	M.2 Key-B	1*M.2 Key-B 3052 (USB Signal)
	mPCIe	1*mPCIe (PCIe/USB Signal)
Display functions	Port	1*VGA, 1*HD
	Chip	Depends on the processor (processor integrated graphics)
Backplane I/O	Ethernet	8*RJ45
	USB	4*USB-A 3.0
	Display	1*VGA, 1*HDMI
	Console	1*RJ45 COM RS232
	Button	1*Clear CMOS Button
	Power socket	1*ATX 24-pin Connector or 1*Jack DC 5.5/2.5mm
Onboard I/O	SATA	2*SATA Data connector, 2*SATA Power socket
	USB	1*USB-A 2.0

	Fan	1*CPU_FAN, 3*SYS_FAN
	Pins	1*F_PANEL
		2*JCOM
		2*F_USB 2.0
		1*TPM
		1*LPT, 1*LPC
		1*JVGA, 1*JHDMI
Power supply mode	DC	12V~24V
Motherboard size	Specification	287*190 (mm)
Work Environment	Temperature	-20℃~60℃;
	Humidity	5%~90% (Relative humidity, no condensation)



1U-C246-8L

Product Features

The 1U-C246-8L is a high-performance 1U rackmount network appliance based on the Intel C246 chipset and FCLGA1151 socket. Designed for firewalls, routers, VPN gateways, network security, edge computing, and industrial gateways, it supports up to 64GB DDR4 SO-DIMM memory. With 8× RJ45 LAN, USB 3.0, RJ45 console, SATA, dual M.2 Key-M SSD slots, PCIe expansion, M.2 Key-E, M.2 Key-B, mPCIe, active cooling, AC power input, and reserved antenna openings, it is ideal for enterprise, industrial, and OEM/ODM rackmount deployments.

Application Scenarios



Network Security Appliance



Enterprise Gateway Platform



Industrial Automation Control



Edge Computing Platform

Processor	Product Collection	Intel C246 Chipsets	
	Sockets Supported	FCLGA1151	
Memory specifications	Memory Type	DDR4 SODIMM	
	Maximum Capacity	64GB	
	Maximum Frequency	2666 MT/s	
Storage specifications	SATA	2*SATA 6Gb/s	
	M.2	2*M.2 Key-M 2280 SSD	
Interface	Front Panel	Network	8*RJ45 LAN
		USB	4*USB-A 3.0
		Console	1*RJ45 COM
		Reserved	2*PCIe Expand
	Back Panel	Display	1*VGA/1*HD (Reserve)
		Antenna	2 Groups (Reserve)
		Power	1*AC power socket
Extension interface	PCIe 3.0	1*PCIe x16 (x8 rate); 1*PCIe x8 (x4 rate);	
	M.2 Key-E	1*M.2 Key-E 2230 (PCIe/USB Signal)	
	M.2 Key-B	1*M.2 Key-B 3052 (USB Signal)	
	mPCIe	1*mPCIe (PCIe/USB Signal)	
Cooling Method	Active Cooling	1*CPU Fan/2*Chassis Fan	
System Specifications	Chassis Size	440*255*45 (mm)	
	Equipment Weight	Equipment Weight	
		3.65 KG; Package Weight	
Power Mode		80V~264V AC input with PFC, Output: DC 24V	
Work Environment	Temperature	0~50℃	
	Humidity	5%~90% (Relative humidity, no condensation)	



2U-C246-8L

Product Features

The 2U-C246-8L is an enterprise-class 2U network and storage server built on the Intel C246 chipset. It supports LGA1151 processors, dual-channel DDR4 memory, and multiple storage expansion slots. With eight integrated 2.5GbE network ports and a variety of expansion interfaces, it is well-suited for applications in network security, virtualization, edge computing, and enterprise-class storage. This platform is ideal for deployment in enterprise server rooms, data centers, and industrial edge environments.

Application Scenarios



Network Security Appliance



Enterprise Gateway Platform



Industrial Automation Control



Edge Computing Platform

Processor	Product Collection	Intel C246 Chipsets	
	Sockets Supported	FCLGA1151	
	Memory Type	DDR4 SODIMM	
Memory specifications	Maximum Capacity	64GB	
	Maximum Frequency	2666 MT/s	
Storage specifications	SATA	2*SATA 6Gb/s	
	M.2	2*M.2 Key-M 2280 SSD	
Interface	Front Panel	Network	8*RJ45 LAN
		USB	4*USB-A 3.0
		Console	1*RJ45 COM
		Reserved	2*PCIe Expand
	Back Panel	Display	1*VGA/1*HD (Reserve)
		Button	1*Power Button
		Antenna	2 Groups (Reserve)
		Power	1*AC power socket
	Extension interface	PCIe 3.0	1*PCIe x16 (x8 rate); 1*PCIe x8 (x4 rate);
		M.2 Key-E	1*M.2 Key-E 2230 (PCIe/USB Signal)
		M.2 Key-B	1*M.2 Key-B 3052 (USB Signal)
		mPCIe	1*mPCIe (PCIe/USB Signal)
Cooling Method	Active Cooling	1*CPU Fan/2*Chassis Fan	
	Chassis Size	440*420*90 (mm)	
System Specifications	Equipment Weight	Equipment Weight 6.40 KG; Package Weight 8.50 KG (including accessories)	
	Power Mode	Input: 200V~240V AC 50/60Hz, Output: 200W MAX	
	Temperature	0~50℃	
Work Environment	Humidity	5%~90% (Relative humidity, no condensation)	

OTS-C246-8L



Product Features

The OTS-C246-8L is a compact desktop network appliance based on the Intel C246 chipset and FCLGA1151 socket. Designed for firewalls, multi-WAN routers, VPN gateways, enterprise gateways, and industrial network security, it supports up to 64GB DDR4 SO-DIMM memory. With 8× RJ45 LAN ports, SATA, dual M.2 Key-M SSD slots, PCIe 3.0 x8 expansion, M.2 Key-E, M.2 Key-B, mPCIe, VGA/HD display, USB 3.0, console access, DC 24V input, and active cooling, it is ideal for stable multi-network deployments.

Application Scenarios



Network Security Appliance



Multi-WAN Router Gateway



Industrial Automation Control



Edge Computing Platform

Processor	Product Collection	Intel C246 Chipsets			
	Sockets Supported	FCLGA1151			
	Memory Type	DDR4 SODIMM			
Memory specifications	Maximum Capacity	64GB			
	Maximum Frequency	2666 MT/s			
	Storage specifications	SATA	2*SATA 6Gb/s		
	M.2	2*M.2 Key-M 2280 SSD			
Interface	Front Panel	Network	8*RJ45 LAN		
		USB	4*USB-A 3.0		
		Console	1*RJ45 COM		
		Reserved	1*PCIe Expand		
	Back Panel	Display	1*VGA/1*HD		
		Button	1*Power Button		
		Antenna	2 Groups (Reserve)		
		Power	1*Jack DC 5.5/2.5mm		
		Extension interface	PCIe 3.0	1*PCIe x8 (x4 rate);	
			M.2 Key-E	1*M.2 Key-E 2230 (PCIe/USB Signal)	
M.2 Key-B	1*M.2 Key-B 3052 (USB Signal)				
mPCIe	1*mPCIe (PCIe/USB Signal)				
Cooling Method	Active Cooling	1*CPU Fan			
System Specifications	Chassis Size	330*200*45 (mm)			
	Equipment Weight	Equipment Weight 1.90 KG; Package Weight 2.45 KG (including accessories)			
Power Mode	1*Jack DC 24V 8A or Higher				
Work Environment	Temperature	0~50℃			
	Humidity	5%~90% (Relative humidity, no condensation)			