



# 1170NP-15-4L

## Product Features

**1170NP-15-4L is a compact embedded networking motherboard based on the Intel Bay Trail platform. It integrates 4x Gigabit Ethernet ports, supports SATA and mSATA storage interfaces, and is designed for wide-temperature operation. Offering an excellent balance of performance, power efficiency, and cost, it is well suited for lightweight networking devices and industrial control systems. With proven stability and industrial-grade reliability, the 1170NP-15-4L is a trusted choice for network communications, industrial automation, and IoT edge nodes deployed in harsh environments.**

## Application Scenarios



Cybersecurity



Network Applications



Industrial Control Automation



Embedded Terminal

Processor	Product Collection	Products formerly Bay Trail
	Sockets Supported	FCBGA1170
Memory specifications	Memory Type	DDR3L SO-DIMM (1.35V Low Voltage)
	Maximum Capacity	8GB
	Maximum Frequency	1333 MHz
Storage specifications	SATA	1*SATA 2.0 (3Gb/s)
	mSATA	1*mSATA
Network features	Ethernet	4*1GbE
	Controller	4*Intel 82574L
Extension interface	mPCIe	1*mPCIe (USB 2.0 Signal)
Display functions	Pins	1*VGA/1*HD
	Chip	Intel HD Graphics
Backplane I/O	USB	2*USB-A 3.0
	Ethernet	4*RJ45
	Button	1*Restart Button, 1*Power Button
Onboard I/O	Power supply	1*Jack DC 5.5/2.5mm
	SATA	1*SATA Data connector/1*SATA Power socket
	SIM	1*SIM Card slot (On the back of the motherboard)
	Fan	1*CPU fan power socket, 1*System fan power socket
	Pins	1*_F_PANEL

		1*J_COM
		1*LAN_LED
		1*F_USB 2.0
		1*J_GPIO
Power supply mode	DC	Jack DC 12V or ATX 4-Pin 12V
Motherboard size	Specification	140*150 (mm)
Work Environment	Temperature	-20~55°C
	Humidity	5%~90% (Relative humidity, no condensation)

# OTS-1170NP-4L



## Product Features

OTS-1170NP-4L is a compact embedded industrial computer built on the Intel Bay Trail platform. Within its small footprint, it integrates four Gigabit Ethernet ports, supports SATA and mSATA storage, and features an active cooling design combined with a rugged industrial-grade chassis. With rich I/O connectivity and reliable performance, it is well suited for lightweight network communications, industrial control applications, and customized embedded systems.

## Application Scenarios



Cybersecurity



Network Applications



Industrial Control Automation



Embedded Terminal

Processor	Product Collection	Products formerly Bay Trail	
	Sockets Supported	FCBGA1170	
Memory specifications	Memory Type	DDR3L SO-DIMM (1.35V Low Voltage)	
	Maximum Capacity	8GB	
	Maximum Frequency	1333 MHz	
Storage specifications	SATA	1*SATA 2.0 (3Gb/s)	
	mSATA	1*mSATA	
Interface	Front Panel	Ethernet	4*RJ45
		USB	2*USB-A 3.0
	Button	Power	1*Jack DC_IN
			1*Start or Restart
			1*Reset
	Back Panel	Display	1*VGA
COM hole		1*Reserved DB9	
Extension interface	mPCIe	1*mPCIe (USB 2.0 Signal)	
Cooling Method	Active Cooling, 1*CPU Fan		
System Specifications	Chassis Size	190*165*45 (mm)	
	Weight	Equipment Weight 0.90 KG; Package Weight 1.45 KG (including accessories)	
Power Mode	DC	12V 4A or Higher	
Work Environment	Temperature	0~50℃	
	Humidity	5%~90% (Relative humidity, no condensation)	



# 1U-1170NP-4L

## Product Features

*1U-1170NP-4L is a low-power rackmount network appliance powered by Intel Bay Trail processors. It features four Gigabit Ethernet ports, SATA and mSATA storage support, industrial-grade active cooling, and an integrated wide-range AC power supply. Designed for standard 19-inch rack deployment, it is a reliable solution for SMB networking, edge infrastructure, and lightweight server applications.*

## Application Scenarios



Cybersecurity



Network Applications



Industrial Control Automation



Embedded Terminal

Processor	Product Collection	Products formerly Bay Trail	
	Sockets Supported	FCBGA1170	
Memory specifications	Memory Type	DDR3L SO-DIMM (1.35V Low Voltage)	
	Maximum Capacity	8GB	
	Maximum Frequency	1333 MHz	
Storage specifications	SATA	1*SATA 2.0 (3Gb/s)	
	mSATA	1*mSATA	
Interface	Front Panel	Ethernet	4*RJ45
		USB	2*USB-A 3.0
	Button	Power	1*Jack DC_IN
			1*Start or Restart
			1*Reset
	Back Panel	Display	1*VGA
Power		1*AC power socket	
Extension interface	mPCIe	1*mPCIe (USB 2.0 Signal)	
Cooling Method	Active Cooling, 1*CPU Fan/2*Chassis Fan		
System Specifications	Chassis Size	440*255*45 (mm)	
	Weight	Equipment Weight 3.50 KG; Package Weight 4.50 KG (including accessories)	
Power Mode	Input: 85V~264V AC 47~63 Hz, Output: DC 12V 4.2A		
Work Environment	Temperature	0~50°C	
	Humidity	5%~90% (Relative humidity, no condensation)	