



1170-12-2L2C

Product Features

The 1170-12-2L2C is a compact embedded industrial motherboard built on the Intel Celeron processor platform. Despite its small footprint, it integrates dual Gigabit Ethernet ports, dual industrial serial ports, rich USB connectivity, and wide-temperature industrial reliability. Designed for cost-sensitive and space-constrained environments that require stable connectivity, it is ideal for industrial automation, commercial terminals, IoT gateways, and embedded control systems.

Application Scenarios



Embedded Terminal



IoT Gateway



Industrial Automation



Digital Signage

Processor	Product Collection	Intel Celeron Processor J Series/N Series
	Sockets Supported	FCBGA1170
	Memory Type	DDR3L SO-DIMM 1.35V
Memory specifications	Maximum Capacity	8GB
	Maximum Frequency	1333 MHz
	Storage specifications	SATA
Network features	mSATA	1*mSATA
	Ethernet Controller	2*1GbE 2*Realtek 8111
Extension interface	mPCIe	1*mPCIe
Display functions	Port	1*VGA/1*HD
	Chip	Intel HD Graphics
Backplane I/O	Ethernet	2*RJ45
	COM	2*DB9 COM RS232/RS485
	Power supply	1*Jack DC 5.5/2.5mm
	Display	1*VGA/1*HD
	USB	1*USB-A 3.0, 5*USB-A 2.0
	Button	1*Power Button
	Onboard I/O	SATA
SIM		1*SIM Card slots
Fan		1*CPU fan power socket
Pins		1*F_PANEL
Power supply mode	DC	12V
Motherboard size	Specification	120*120 (mm)
Work Environment	Temperature	-20~55℃
	Humidity	5%~90% (Relative humidity, no condensation)



G30-1170-2L2C

Product Features

The G30-1170-2L2C is a compact fanless embedded industrial PC powered by an Intel Celeron processor. Within its durable metal chassis, it integrates dual Gigabit Ethernet ports, dual DB9 serial interfaces, dual display outputs, and industrial-grade reliability. Designed for space-constrained environments requiring silent operation and stable performance, it is ideal for industrial automation, IoT gateways, network security, and commercial terminals. With its ultra-compact size and versatile I/O, it serves as a reliable core platform for embedded applications.

Application Scenarios



Retail Terminals



IoT Gateway



Industrial Automation



Digital Signage

Processor	Product Collection	Intel Celeron Processor J Series/N Series	
	Sockets Supported	FCBGA1170	
	Memory Type	DDR3L SO-DIMM 1.35V	
Memory specifications	Maximum Capacity	8GB	
	Maximum Frequency	1333 MHz	
Storage specifications	SATA	1*SATA 2.0 (3Gb/s)	
	mSATA	1*mSATA	
Network features	Ethernet	2*1GbE	
	Controller	2*Realtek 8111	
Interface	Power	1*Jack DC_IN	
	Display	1*VGA/1*HD	
	Ethernet	2*RJ45	
	Front Panel	USB	1*USB-A 2.0, 1*USB-A 3.0
		Antenna hole	2*Reserved
	Back Panel	Button	1*Start or Restart
		USB	4*USB-A 2.0
		Serial port	2*DB9 COM
		Audio	1*3.5mm Audio
	Extension interface	mPCIe	1*mPCIe
Cooling Method	Passive Cooling, Fanless (Need air flow)		
System Specifications	Chassis Size	136*126*40 (mm)	
	Weight	Equipment Weight 0.65 KG; Package Weight 1.25 KG (including accessories)	
Power Mode	DC	12V 4A or Higher	
Work Environment	Temperature	0~50℃	
	Humidity	5%~90% (Relative humidity, no condensation)	



G40-1170-2L2C

Product Features

The G40-1170-2L2C is a compact fanless embedded industrial PC powered by an Intel Celeron processor. It integrates dual Gigabit Ethernet ports, dual serial interfaces, dual display outputs, and industrial-grade reliability, making it ideal for industrial automation, IoT gateways, network security, and commercial terminals. Compared to ultra-compact models, the G40 offers a slightly larger chassis for improved thermal performance while maintaining silent fanless operation.

Application Scenarios



Retail Terminals



IoT Gateway



Industrial Automation



Digital Signage

Processor	Product Collection	Intel Celeron Processor J Series/N Series
	Sockets Supported	FCBGA1170
	Memory Type	DDR3L SO-DIMM 1.35V
Memory specifications	Maximum Capacity	8GB
	Maximum Frequency	1333 MHz
	Storage specifications	SATA
Storage specifications	mSATA	1*mSATA
	Network features	Ethernet
Network features	Controller	2*Realtek 8111
	Front Panel	Power
Display		1*VGA/1*HD
Ethernet		2*RJ45
Interface	USB	1*USB-A 2.0,
		1*USB-A 3.0
	Antenna hole	2*Reserved
Back Panel	Button	1*Start or Restart
	USB	4*USB-A 2.0
	Serial port	2*DB9 COM
Extension interface	Audio	1*3.5mm Audio
	mPCIe	1*mPCIe
Cooling Method	Passive Cooling, Fanless (Need air flow)	
System Specifications	Chassis Size	160*125*36 (mm)
	Weight	Equipment Weight 1.05 KG; Package Weight 1.65 KG (including accessories)
Power Mode	DC	12V 4A or Higher
Work Environment	Temperature	0~50℃
	Humidity	5%~90% (Relative humidity, no condensation)



G48-1170-2L2C

Product Features

The G48-1170-2L2C is a compact fanless embedded industrial PC powered by an Intel Celeron processor. Within its durable metal chassis, it integrates dual Gigabit Ethernet ports, dual DB9 serial interfaces, dual display outputs, and industrial-grade reliability. Designed for space-constrained environments requiring silent operation and stable performance, it is ideal for industrial automation, IoT gateways, network security, and commercial terminals. With its ultra-compact size and versatile I/O, it serves as a reliable core platform for embedded applications.

Application Scenarios



Retail Terminals



IoT Gateway



Industrial Automation



Digital Signage

Processor	Product Collection	Intel Celeron Processor J Series/N Series	
	Sockets Supported	FCBGA1170	
	Memory Type	DDR3L SO-DIMM 1.35V	
Memory specifications	Maximum Capacity	8GB	
	Maximum Frequency	1333 MHz	
Storage specifications	SATA	1*SATA 2.0 (3Gb/s)	
	mSATA	1*mSATA	
Network features	Ethernet	2*1GbE	
	Controller	2*Realtek 8111	
Interface	Power	1*Jack DC_IN	
	Display	1*VGA/1*HD	
	Ethernet	2*RJ45	
	USB	1*USB-A 2.0, 1*USB-A 3.0	
	Antenna hole	2*Reserved	
	Button	1*Start or Restart	
	USB	4*USB-A 2.0	
	Serial port	2*DB9 COM	
	Audio	1*3.5mm Audio	
	Extension interface	mPCIe	1*mPCIe
Cooling Method	Passive Cooling, Fanless (Need air flow)		
System Specifications	Chassis Size	134*125*40 (mm)	
	Weight	Equipment Weight 0.65 KG; Package Weight 1.15 KG (including accessories)	
Power Mode	DC	12V 4A or Higher	
Work Environment	Temperature	0~50℃	
	Humidity	5%~90% (Relative humidity, no condensation)	



H30-1170-2L2C

Product Features

The H30-1170-2L2C is an ultra-compact fanless embedded industrial PC powered by an Intel Celeron processor. Housed in a sleek and durable metal chassis, it integrates dual Gigabit Ethernet ports, dual serial interfaces, and dual display outputs, along with industrial-grade reliability. Designed for space-constrained environments requiring silent operation and stable performance, it is ideal for industrial automation, IoT gateways, network security appliances, and commercial terminals.

Application Scenarios



Retail Terminals



IoT Gateway



Industrial Automation



Digital Signage

Processor	Product Collection	Intel Celeron Processor J Series/N Series	
	Sockets Supported	FCBGA1170	
	Memory Type	DDR3L SO-DIMM 1.35V	
Memory specifications	Maximum Capacity	8GB	
	Maximum Frequency	1333 MHz	
Storage specifications	SATA	1*SATA 2.0 (3Gb/s)	
	mSATA	1*mSATA	
Network features	Ethernet	2*1GbE	
	Controller	2*Realtek 8111	
Interface	Power	1*Jack DC_IN	
	Display	1*VGA/1*HD	
	Ethernet	2*RJ45	
	Front Panel	USB	1*USB-A 2.0, 1*USB-A 3.0
		Antenna hole	2*Reserved
	Back Panel	Button	1*Start or Restart
		USB	4*USB-A 2.0
		Serial port	2*DB9 COM
		Audio	1*3.5mm Audio
	Extension interface	mPCIe	1*mPCIe
Cooling Method	Passive Cooling, Fanless (Need air flow)		
System Specifications	Chassis Size	138*126*48 (mm)	
	Weight	Equipment Weight 0.75 KG; Package Weight 1.25 KG (including accessories)	
Power Mode	DC	12V 4A or Higher	
Work Environment	Temperature	0~50℃	
	Humidity	5%~90% (Relative humidity, no condensation)	



G590-1170-2L2C

Product Features

The G590-1170-2L2C is a fanless embedded industrial PC powered by an Intel Celeron processor. Housed in a durable metal chassis, it integrates dual Gigabit Ethernet ports, dual serial interfaces, and dual display outputs, delivering reliable performance for industrial applications. Designed for scenarios requiring silent operation, stable performance, and rich connectivity, it is ideal for industrial automation, IoT gateways, network security, and commercial terminals.

Application Scenarios



Retail Terminals



IoT Gateway



Industrial Automation



Digital Signage

Processor	Product Collection	Intel Celeron Processor J Series/N Series		
	Sockets Supported	FCBGA1170		
	Memory Type	DDR3L SO-DIMM 1.35V		
Memory specifications	Maximum Capacity	8GB		
	Maximum Frequency	1333 MHz		
	Storage specifications	SATA	1*SATA 2.0 (3Gb/s)	
mSATA		1*mSATA		
Network features	Ethernet	2*1GbE		
	Controller	2*Realtek 8111		
Interface	Power	1*Jack DC_IN		
	Display	1*VGA/1*HD		
	Ethernet	2*RJ45		
	Front Panel	USB	1*USB-A 2.0, 1*USB-A 3.0	
		Antenna hole	2*Reserved	
	Back Panel	Button	1*Start or Restart	
		USB	4*USB-A 2.0	
		Serial port	2*DB9 COM	
		Audio	1*3.5mm Audio	
	Extension interface	mPCIe	1*mPCIe	
Cooling Method	Passive Cooling, Fanless (Need air flow)			
System Specifications	Chassis Size	138*126*56 (mm)		
	Weight	Equipment Weight 1.15 KG; Package Weight 1.85 KG (including accessories)		
Power Mode	DC	12V 4A or Higher		
Work Environment	Temperature	0~50℃		
	Humidity	5%~90% (Relative humidity, no condensation)		