

MODEL. I530-BI SERIES

Fanless Design Industrial Box PC

Introduction

I530-BI Series Industrial Box Pc is a powerful and compact device suitable for a variety of industrial and commercial application scenarios. In outdoor environments, the mini industrial computer also has strong adaptability and reliability, providing users with convenient operation methods and work efficiency. I530-BI supports WINDOWS/LINUX operating system. It has Intel Celeron/Core 4-13th generation processor. Support 3G, 4G, Wifi, Bluetooth dual communication modules.

iDEETECH

I530-BI

INDUSTRIAL BOX PC

POWERFUL. RELIABLE. BUILT FOR INDUSTRY



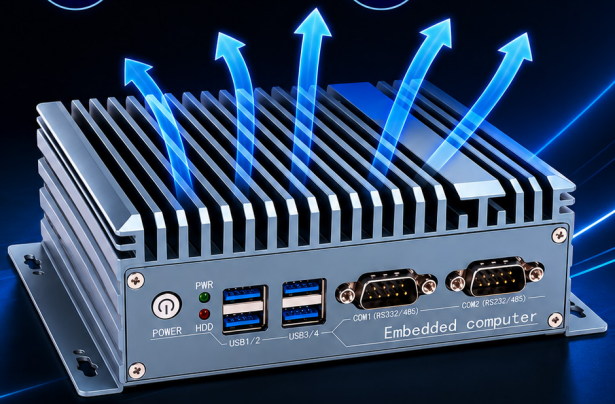
All-aluminum alloy heat dissipation

FANLESS COOLING
LOW-NOISE DESIGN

The industrial computer surface uses a striped grid pattern and is molded into a sealed, integrated structure, which ensures external air circulation and improves heat dissipation efficiency; the fanless design reduces dust accumulation.

LOOP COOLING
Efficient air circulation

FANLESS DESIGN
Silent • Reliable • Dust-free



TEMPERATURE

WITHSTANDS EXTREME TEMPERATURES:

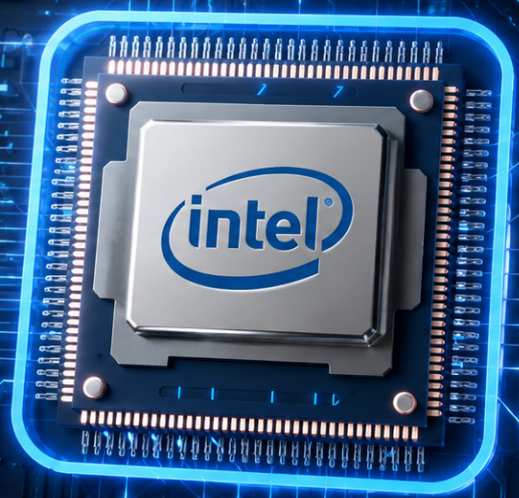
-20°C TO +70°C

WIDE TEMPERATURE -20°C TO 70°C	RUGGED & RELIABLE	DUST RESISTANT	ALL-ALUMINUM ALLOY	LONG-TERM STABILITY



Intel Power Chip
Stable Operation
Faster Than One Step

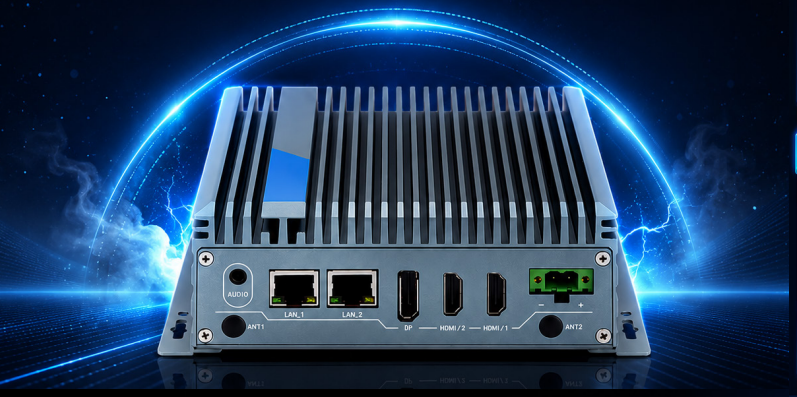
Through The Controlled High Temperature Test To Test The Product To Adapt To High And Low Temperature, Even In The Harsh Environment Is Not Afraid.



Stable operation

Power on and run 24/7
Stable operation around the clock

Capable of operating around the clock, it can run stably in unstable environments and meets the operational needs of various commercial, automated, and unmanned equipment.



MULTISCREEN DISPLAY

MULTITASK DISPLAY

HDMI + DP USED TOGETHER (EXTENDED OR COPIED DISPLAY CUSTOMER CHOICE) TO ACHIEVE MULTI-TASK DISPLAY PLATFORM

SAME SCREEN DISPLAY

- 1080P FULL HD Clarity
- SAME VIEW Consistent Experience
- EASY SETUP Plug & Play



ASYNCHRONOUS DISPLAY

- MULTI-TASK Independent Content
- HIGH EFFICIENCY Work Smarter
- FLEXIBLE SETUP Extend Your Workspace



Classis with Fan and Fanless

Modern Design | High Performance | Flexible Connectivity

Fanless Design

- Silent Operation
- Reliable & Durable
- Wide Temp Support



FAN Design

- Active Cooling
- High Performance
- Stable & Reliable



INSTALLATION

3 INSTALLATION OPTIONS

DESKTOP / EMBEDDED / WALL-MOUNTED

DESKTOP

Place on a desk or flat surface for easy access and maintenance.



EMBEDDED

Integrate into cabinets, kiosks, or enclosures for a clean and space-saving solution.



WALL-MOUNTED

Mount on walls or structures securely with the included mounting brackets.



POWERFUL

COMPATIBILITY SYSTEM

Compatible with Windows 7 / Windows 8 / Windows 10 / Linux.



Specification

Mother Board Specification

I530-BI Series					
Model	I530-BI		I530-BI(6C)		
CPU	i3-4010U i5-4260U i7-4650U	J6412/N95/N100 i3-7100U/8130U/1215U/1315U i5-7200U/8250U/1235U/1335U i7-7500U/8550U/1255U/1355U	i3-4010U i5-4260U i7-4650U	J6412/N95/N100 i3-7100U/8130U i5-7200U/8250U i7-7500U/8550U	i3-1215U i5-1235U i5-1255U
Memory	1*DDR3 RAM Slot, Up to 8GB	1*DDR4 RAM Slot, Up to 16GB	1*DDR3 RAM Slot, Up to 8GB	1*DDR4 RAM Slot, Up to 16GB	2*DDR4 RAM Slot, Up to 64GB
Storage	1*MSATA SSD Slot	1*M.2 NVME SSD	1*MSATA SSD Slot	1*M.2 NVME SSD	
	1*SATA SSD Slot				
Display	2*HDMI: Resolution up to 4096*2160@60Hz 1*DP: Resolution up to 4096*2160@60Hz		2*HDMI: Resolution up to 4096*2160@60Hz 1*DP: Resolution up to 4096*2160@60Hz		
Expansion	2*Mini PCIE Slots, Support 4G and WIFI module	2*M.2 Slot, Support 4G/5G and WIFI module	2*Mini PCIE Slots Support 4G and WIFI module	2*M.2 Slots Support 4G/5G and WIFI module	
Ethernet	2*Realtek 8111E LAN Chip (10 / 100 / 1000 Mbps, RJ-45 Type)				
USB	4*USB 3.0 (Type-A)		4*USB 3.0 (Type-A)		
COM	2*RS-232 / 485 (DB9 Type)		6*RS-232 / 485 (DB9 Type)		
Audio	1*Line-Out		1*Line-Out		
GPIO	None		8*GPIO (4*GPI+4*GPO, Phoenix Terminal Type)		

Device Specification

I530-BI Series		
Model	I530-BI	I530-BI(6C)
BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Power Input	DC 12V	DC 9-36V
	Support Auto-Start	Support Auto-Start
	2 Pin Phoenix Terminal Type DC Plug	2 Pin Phoenix Terminal Type DC Plug
Working Temperature	-20℃ - 70℃ , Support 24/7 Working	-20℃ - 70℃ , Support 24/7 Working
Storage Temperature	-30℃ - 80℃	-30℃ - 80℃
Humidity	90% (20±50℃)	90% (20±50℃)
Size	159.6mm*127mm*53.2mm	159.6mm*127mm*53.2mm
Structure	Fully Enclosed Aluminum Alloy Material	Fully Enclosed Aluminum Alloy Material
Heat dissipation	Fanless Design, Conduction Heat Dissipation	
	Fan design Chassis (optional)	
Installation	Desktop / Embedded / Wall-Mounted	Desktop / Embedded / Wall-Mounted
System	Low than 8th CPU: Windows 7 / 8 / 10 and Linux	
	More than 8th CPU: Windows 10 / 11 and Linux	

Ordering Information

Model	CPU	LAN	USB	COM	Display	RAM	SSD	Expansion	Power
I530-BI	4th	2	4	2*RS-232 / 485	2*HDMI 1*DP	1*DDR 3 Up to 8GB	1*MSATA 1*SATA	2*Mini PCIE	DC 12V
	J6412					1*DDR 4 Up to 16GB			
	N95 / N100						1*M.2 NVME 1*SATA	2*M.2	
	7th / 8th 12th / 13th								
I530-BI(6C)	4th	2	4	6*RS-232 / 485	2*HDMI 1*DP	1*DDR 3 Up to 8GB	1*MSATA 1*SATA	2*Mini PCIE	DC 9-36V
	J6412					1*DDR 4 Up to 16GB			
	N95 / N100						1*M.2 NVME 1*SATA	2*M.2	
	7th / 8th								
	12th					2*DDR 4 Up to 64GB			

System Information

CPU	Specification
4th / 7th	Windows 7 / 10 and Linux
N95 / N100 / J6412	Windows 10 / 11 and Linux
8th / 12th / 13th	

CPU Information

CPU	Core	Threads	Frequency	Cache	Graphics	RAM
J6412	4	4	2.00-2.60GHz	1.5 MB	UHD Graphics	Max to 16GB for 1*DDR4 Slot
N95	4	4	3.40GHz	6 MB	UHD Graphics	Max to 16GB for 1*DDR4 Slot
N100	4	4	3.40GHz	6 MB	UHD Graphics	Max to 16GB for 1*DDR4 Slot
i3-4010U	2	4	1.70GHz	3 MB	HD Graphics 4400	Max to 8GB for 1*DDR3 Slot
i5-4260U	2	4	1.40-2.70GHz	3 MB	HD Graphics 5000	Max to 8GB for 1*DDR3 Slot
i7-4650U	2	4	1.70-3.30GHz	4 MB	HD Graphics 5000	Max to 8GB for 1*DDR3 Slot
i3-7100U	2	4	2.40GHz	3 MB	HD Graphics 620	Max to 16GB for 1*DDR4 Slot
i5-7200U	2	4	2.50-3.10GHz	3 MB	HD Graphics 620	Max to 16GB for 1*DDR4 Slot
i7-7500U	2	4	2.70-3.50GHz	4 MB	HD Graphics 620	Max to 16GB for 1*DDR4 Slot
i3-8130U	2	4	2.20-3.40GHz	4 MB	HD Graphics 620	Max to 16GB for 1*DDR4 Slot
i5-8250U	4	8	1.60-3.40GHz	6 MB	UHD Graphics 620	Max to 16GB for 1*DDR4 Slot
i7-8550U	4	8	1.80-4.00GHz	8 MB	UHD Graphics 620	Max to 16GB for 1*DDR4 Slot
i3-1215U	6	8	1.20-4.40GHz	10 MB	UHD Graphics	[1]Max to 32GB for 1*DDR4 Slot
i5-1235U	10	12	1.30-4.40GHz	12 MB	Iris Xe Graphics	[1]Max to 32GB for 1*DDR4 Slot
i7-1255U	10	12	1.70-4.70GHz	12 MB	Iris Xe Graphics	[1]Max to 32GB for 1*DDR4 Slot
i3-1315U	6	8	1.20-4.50GHz	10 MB	UHD Graphics	Max to 32GB for 1*DDR4 Slot
i5-1335U	10	12	1.30-4.60GHz	12 MB	Iris Xe Graphics	Max to 32GB for 1*DDR4 Slot
i7-1355U	10	12	1.70-5.00GHz	12 MB	Iris Xe Graphics	Max to 32GB for 1*DDR4 Slot

Note:

[1] : Although Intel 12th Gen processors officially support up to 64GB of system memory, the I530-BI is limited to 32GB by the manufacturer because it is equipped with one RAM slot. In contrast, the I530-BI(6C) features two RAM slots, allowing it to support up to 64GB of memory.

Fittings Information

MODEL I530-BI		
RAM	DDR3	4GB / 8GB
	DDR4	4GB / 8GB / 16GB
Storage	M.2 NVME	128GB / 256GB / 512GB / 1TB / 2TB / 4TB
	MSATA	128GB / 256GB / 512GB / 1TB
	SATA	120GB / 128GB / 240GB / 256GB / 480GB / 512GB / 960GB / 1TB / 2TB / 4TB
GSM Module	4G	4G+GPS
	5G	5G+GPS
WIFI Module	7260AC / 8260AC / AX210	
MODEL I530-BI(6C)		
RAM	DDR3	4GB / 8GB / 16GB
	DDR4	4GB / 8GB / 16GB
Storage	M.2 NVME	128GB / 256GB / 512GB / 1TB / 2TB / 4TB
	MSATA	128GB / 256GB / 512GB / 1TB
	SATA	120GB / 128GB / 240GB / 256GB / 480GB / 512GB / 960GB / 1TB / 2TB / 4TB
GSM Module	4G	4G+GPS
	5G	5G+GPS
WIFI Module	7260AC / 8260AC / AX210	

Package List

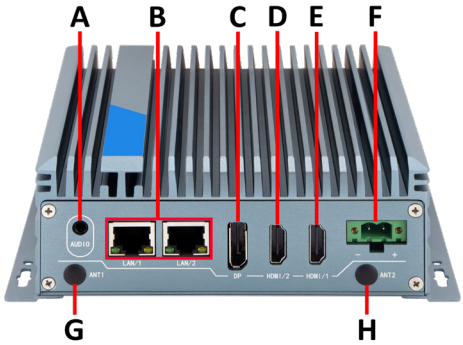
MODEL	Adapter	Power Cable
I530-BI	1*12V 5A Adapter	1*Power Cable
I530-BI(6C)	1*12V 5A Adapter	1*Power Cable

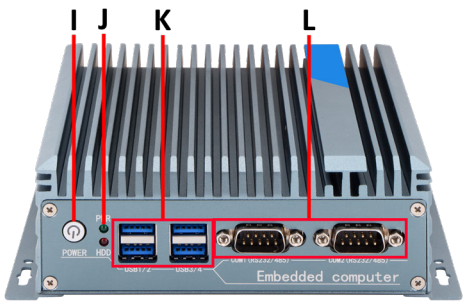
Classis with Fan and Fanless

 Fan Design — Model I530-BI(F)	 Fanless Design — Model I530-BI
 Fan Design — Model I530-BI(6CF)	 Fanless Design — Model I530-BI(6C)

I/O Port

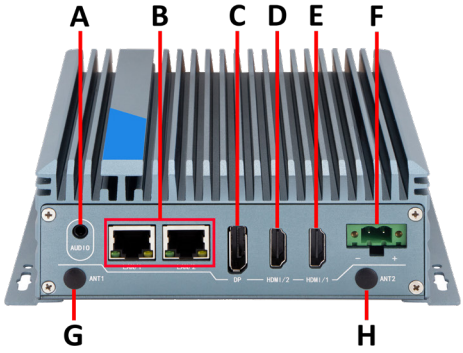
Model. I530-BI

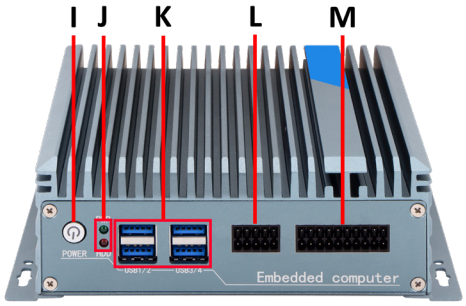




A : Audio x1
B : LAN x2
C : DP x1
D : HDMI x1
E : HDMI x1
F : DC IN x1
G : ANT x1
H : ANT x1
I : Power x1
J : HDD/PWR Poilct lamp
K : USB3.0 x4
L : COM x2

Model. I530-BI(6C)

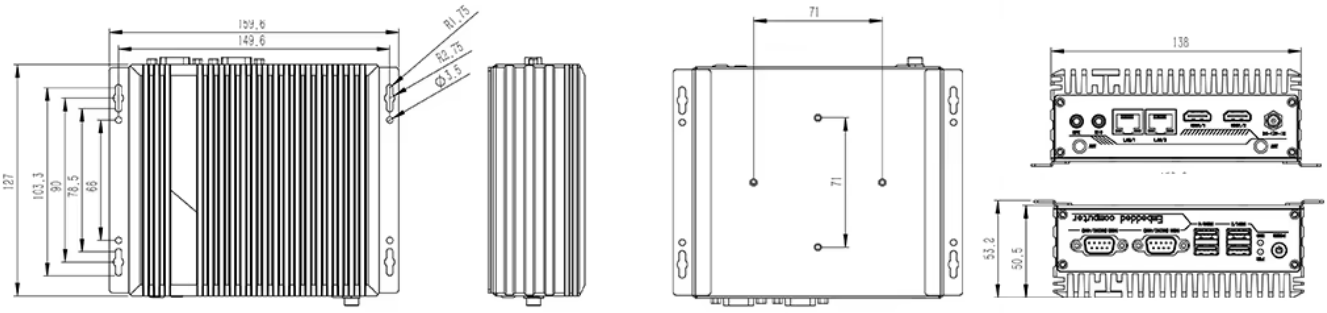




A : Audio x1
B : LAN x2
C : DP x1
D : HDMI x1
E : HDMI x1
F : DC IN x1
G : ANT x1
H : ANT x1
I : Power x1
J : HDD/PWR Poilct lamp x1
K : USB3.0 x4
L : COM x2 (Phoenix Terminal Type)
M : COM x4 (Phoenix Terminal Type)

Dimensions

Model. I530-BI Series



Applications



Factory Automation



Machine Control



AGV/AMR Control