

MODEL. I561-BI SERIES

Fanless Design Industrial Box PC

Introduction

I561-BI Series Industrial Box PC adopts multi-I/O design, supports external PCI/PCIE expansion, wide voltage input. Supports WINDOWS 7 / 8 / 10 / LINUX operating system, onboard I3/I5/I7 (6th, 7th) processor. Supports 3G, 4G Internet access, meets communication requirements (separate optional modules are required), supports Wifi, Bluetooth dual communication modules, supports 12 serial ports 4*RS-422-485 to meet the use of basic peripherals.

IDEETECH

I561-BI

INDUSTRIAL BOX PC

POWERFUL. RELIABLE. BUILT FOR INDUSTRY

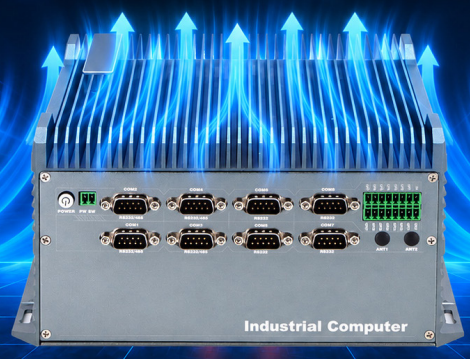
All aluminum alloy heat dissipation

FANLESS COOLING
LOW-NOISE DESIGN

The surface of the industrial computer adopts 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.

CIRCULATING HEAT DISSIPATION
Efficient air circulation

LOW NOISE DESIGN
Silent • Reliable • Dust-free



TEMPERATURE

WITHSTANDS EXTREME TEMPERATURES:

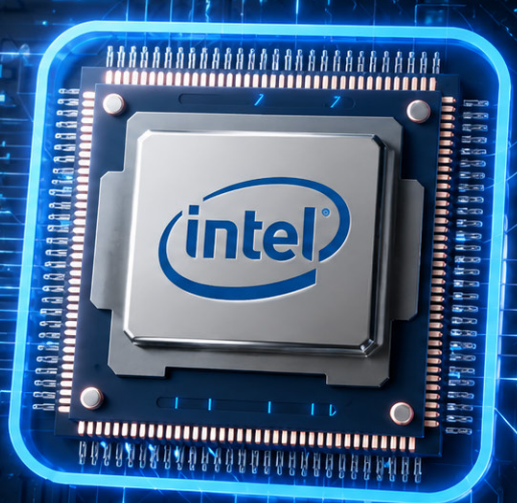
-20°C TO +70°C

- 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.



High-definition output, multi-screen display

Supports dual-screen mirroring/extended display

Equipped with 1 VGA and 1 HDMI port, supports multiple screens with the same or different displays, high-definition output, restoring true HD images.



A better solution for industrial control

Industrial Box PC feature high and low temperature resistance, corrosion and moisture resistance, strong anti-interference capability, and enclosed dustproof design, providing better solutions for industrial control and other applications.



Applications



POWERFUL

COMPATIBILITY SYSTEM

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









Specification

Mother Board Specification

I561-BI Series		
Model	I561-BI	I561-BI(12C)
CPU	i3-6157U / i5-7200U / i5-7267U / i7-7500U	
Memory	1*DDR4 RAM Slot, Up to 16GB	
Storage	1*MSATA SSD Slot 2*SATA SSD Slots	
Display	1*HDMI: Resolution up to 4096*2304@60Hz 1*VGA: Resolution up to 1920*1200@60Hz	
Expansion	2*Mini PCIE Slots, Support 4G and WIFI module 1*PCIE 16x slot or 2*PCI slots	
Ethernet	5*Intel i210-AT LAN Chip (10 / 100 / 1000 Mbps, RJ-45 Type)	
USB	4*USB 3.0 (Type-A) 6*USB 2.0 (Type-A) 2*PS/2	
COM	4*RS-232 / 422 / 485 (DB9 Type) 4*RS-232 (DB9 Type)	4*RS-232 / 422 / 485 (DB9 Type) 8*RS-232 (DB9 Type)
GPIO	14 ports GPIO (7*GPI+7*GPO, Phoenix Terminal Type)	
Audio	1*Line-In+1*Line-Out	

Fittings Information

RAM	DDR4	4GB / 8GB / 16GB / 32GB
Storage	MSATA	64GB / 128GB / 256GB / 512GB / 1TB
	SATA	120GB / 128GB / 240GB / 256GB / 480GB / 512GB / 960GB / 1TB / 2TB / 4TB
GSM Module	4G	4G+GPS
WIFI Module	7260AN / 7260AC / AX210	

Device Specification

BIOS	AMI UEFI BIOS
Power Input	DC 9-36V With Overvoltage Protection
	Support Auto-Start
	3 Pin Phoenix Terminal Type DC Plug
Watch Dog	Support
Working Temperature	-20℃ - 70℃ , Support 24/7 Working
Storage Temperature	-30℃ - 80℃
Humidity	90% (20±50℃)
Size	236mm*220mm*118mm
Structure	Fully Enclosed Aluminum Alloy Material
Heat dissipation	Fanless Design, Conduction Heat Dissipation
Installation	Desktop / Embedded / Wall-Mounted
System	Windows and Linux

Ordering Information

Model	CPU	LAN	USB	COM	Display	RAM	SSD	Expansion	Power
I561-BI	i3-6157U	5	10	8	1*HDMI 1*VGA	1*DDR 4 Up to 16GB	1*MSATA 2*SATA	2*Mini PCIE PCIE 16x or PC	DC 9-36V
	i5-7200U								
	i5-7267U								
	i7-7500U								
I561-BI(12C)	i3-6157U			12					
	i5-7200U								
	i5-7267U								
	i7-7500U								

CPU Information

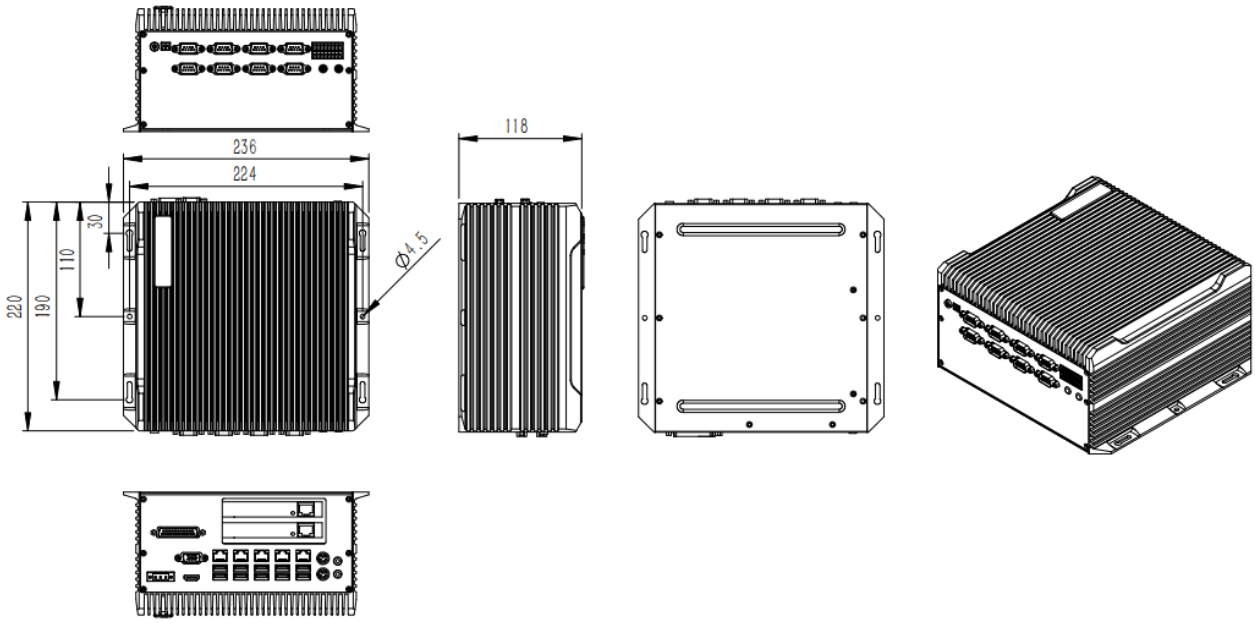
CPU	Core	Threads	Frequency	Cache	Graphics	RAM
i3-6157U	2	4	2.40GHz	3 MB	Iris® Graphics 550	Max to 16GB for 1*DDR4 slot
i5-7200U	2	4	2.50-3.10GHz	3 MB	HD Graphics 620	Max to 16GB for 1*DDR4 slot
i5-7267U	2	4	3.10-3.50GHz	4 MB	Iris® Plus Graphics 650	Max to 16GB for 1*DDR4 slot
i7-7500U	2	4	2.70-3.50GHz	4 MB	HD Graphics 620	Max to 16GB for 1*DDR4 slot

System Information

CPU	Specification
6th / 7th	Windows 7 / 10 and Linux

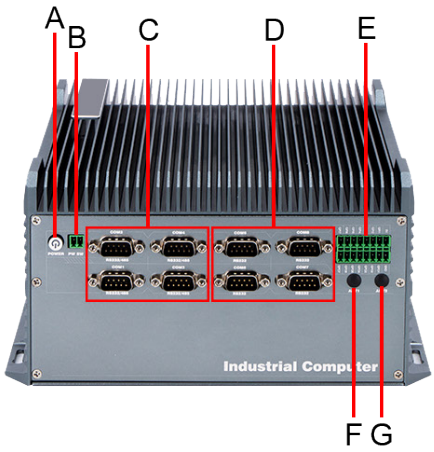
Dimensions

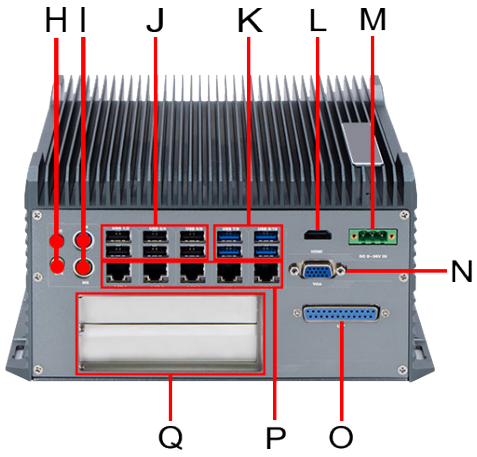
Model I561-BI Series



I/O Port

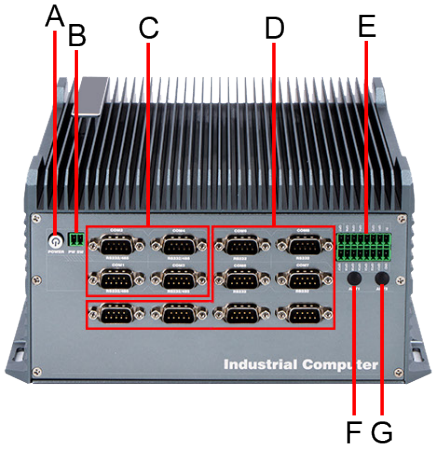
Model I561-BI

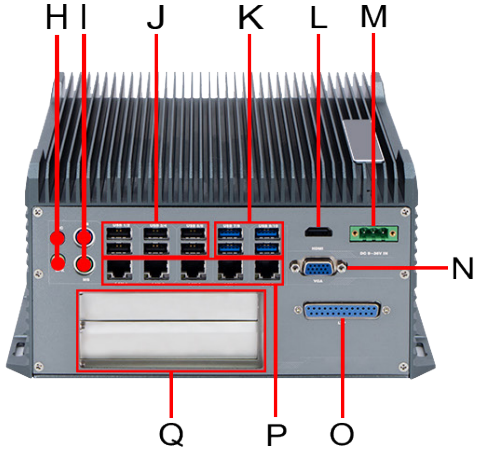




A : Power
B : Power Sw
C : COM (RS-232/422/485)
D : COM (RS-232)
E : GPIO
F : ANT1
G : ANT2
H : SPK+MIC
I : KB/MS
J : USB 2.0
K : USB 3.0
L : HDMI
M : DC POWER IN
N : VGA
O : LTP
P : LAN
Q : Expansion

Model I561-BI(12C)





A : Power
B : Power Sw
C : COM (RS-232/422/485)
D : COM (RS-232)
E : GPIO
F : ANT1
G : ANT2
H : SPK+MIC
I : KB/MS
J : USB 2.0
K : USB 3.0
L : HDMI
M : DC POWER IN
N : VGA
O : LTP
P : LAN
Q : Expansion

Package List

Adapter	1*12V 7A adapter
Power Cable	1*Power Cable (The type is depends on the national standard of the buyer)
Terminal	2 Pin phoenix terminal for Power Switch

Applications



Factory Automation



IoT Gateway



Security & Surveillance