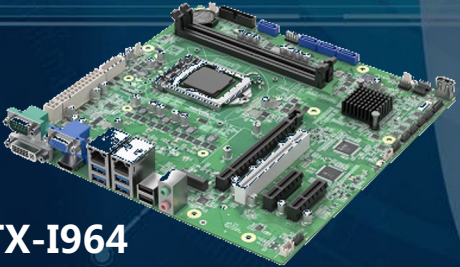


JHCTECH



PADR-S501 Series



MATX-I964

Live

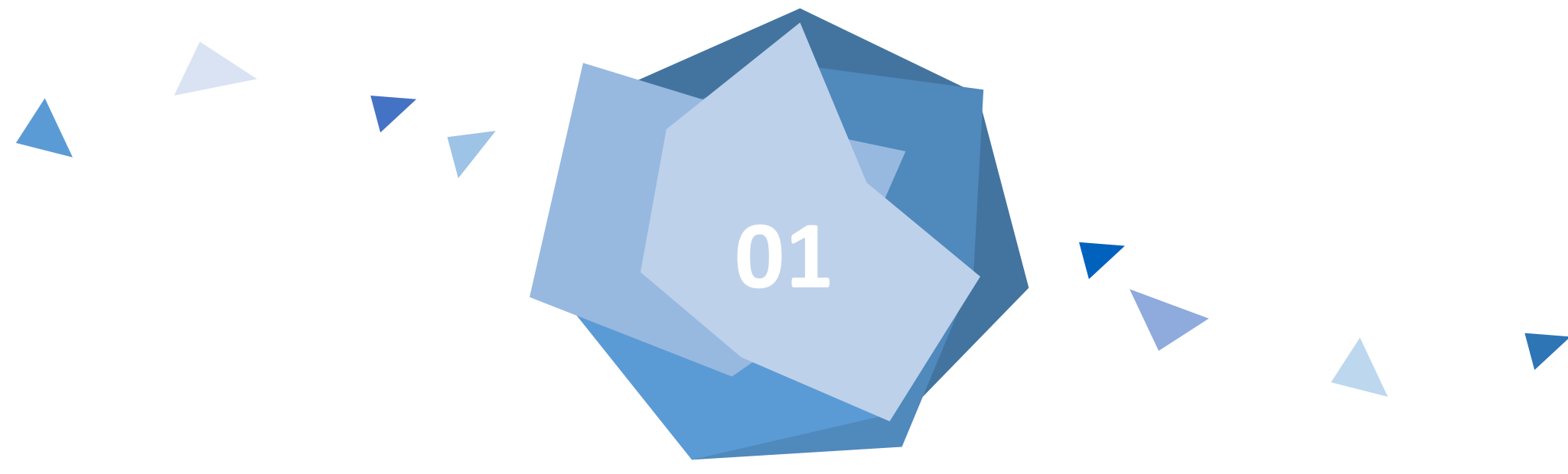
Speakers:



Gary
Customer Solution Manager
JHCTECH Shenzhen Office

Product Launch Announcement

Time	Agenda
16:00 ~ 16:05	Opening Chi Chi Wang, Marketing Manager, Shenzhen Office
16:05 ~ 16:30	Introduction of New Products Industrial-grade Large Motherboard MATX-I964 4U rack-mounted multi-platform industrial computer PADR-S501 Gary Shu, Customer Solution Manager, Shenzhen Office
16:30 ~ 16:40	Q&A



01

Introduction of JHCTECH New Products

Gary Shu, Customer Solution Manager, Shenzhen Office

Intel Coffee lake Industrial- grade Large Motherboard MATX-I964

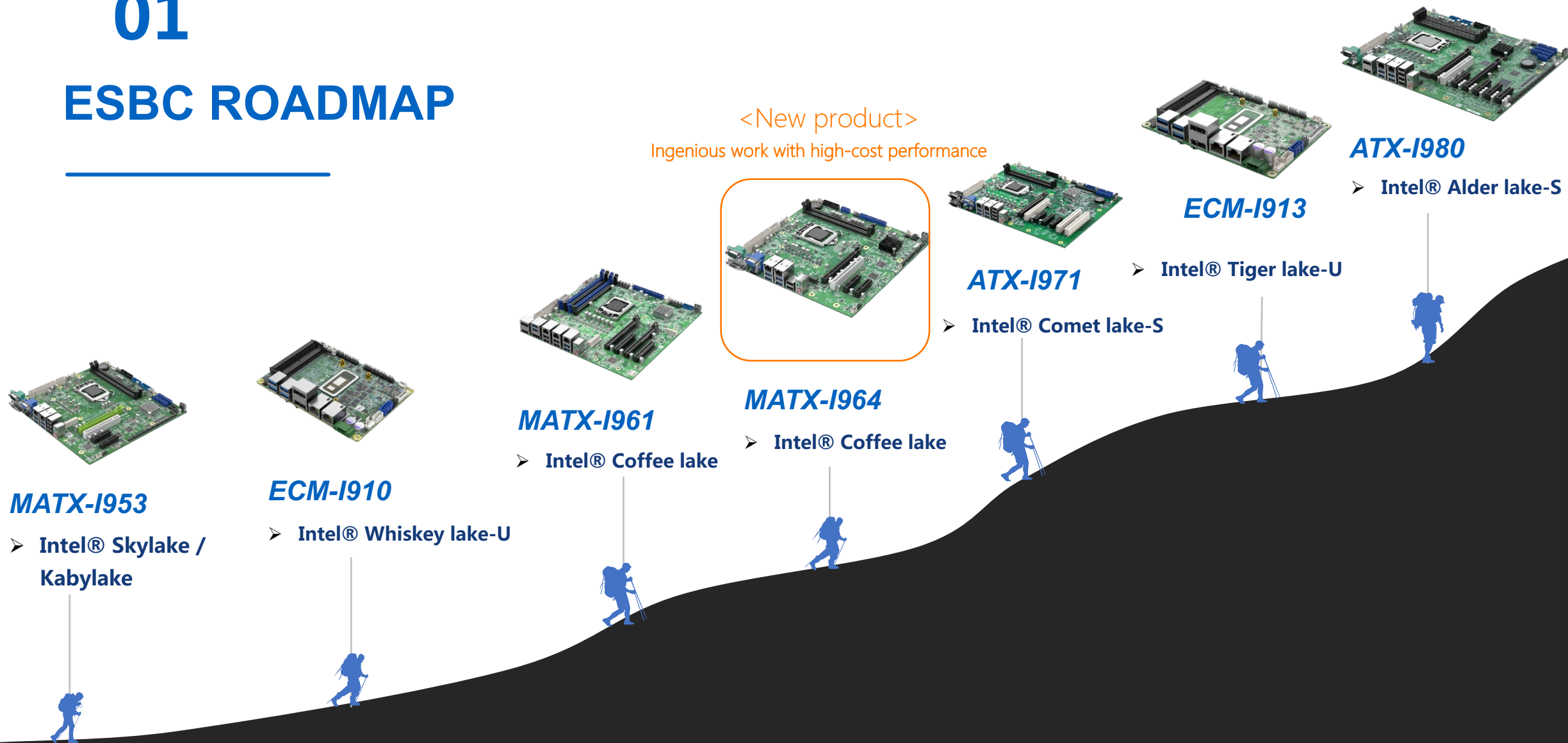


- 01 ESBC Roadmap
- 02 MATX-I964 Product Features
- 03 MATX-I964 Ordering Info
- 04 MATX-I964 Target Market
- 05 MATX-I964 Product Schedule

CONTENTS

01

ESBC ROADMAP



Single board product line
Comparison table of various specifications

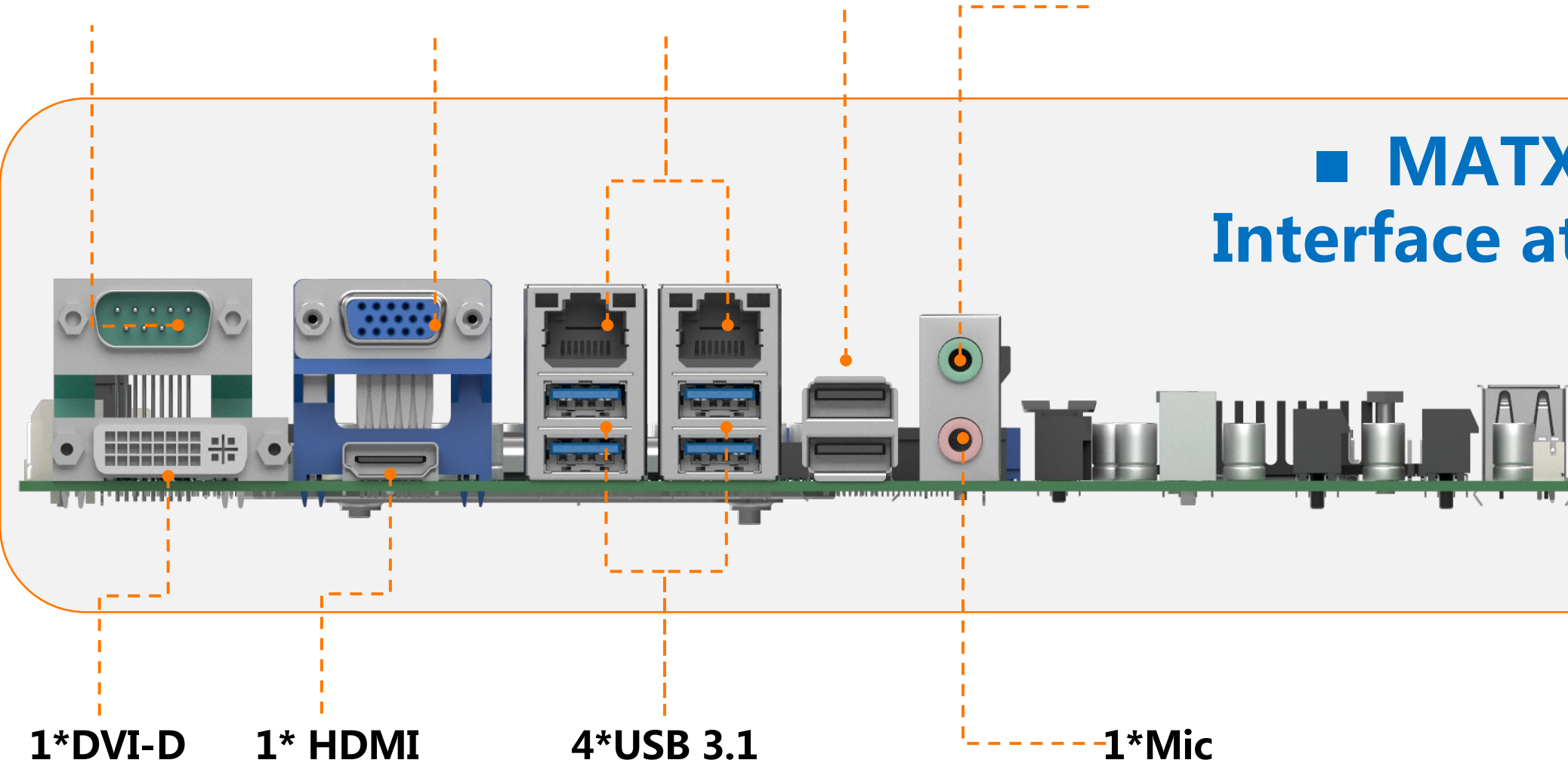
Model	MATX-I953	ECM-I910	MATX-I961	MATX-I964	ATX-I971	ATX-I980
CPU	Intel®6/7 th Skylake/Kabylake Core™ i7/i5/i3/Pentium/Celeron	Intel®8 th Whiskeylake-U Core™i7/i5/i3/Pentium/Celeron	Intel®8/9 th Coffeelake-S Core™ i9/i7/i5/i3/Pentium/Celeron/Xeon	Intel®8/9 th Coffeelake-S Core™ i9/i7/i5/i3/Pentium/Celeron	Intel®10 th Cometlake Core™ i9/i7/i5/i3/Pentium/Celeron	Intel®12 th Alderlake Core™ i9/i7/i5/i3/Pentium/Celeron
Chipset	Intel® H110	Soc	Intel® C246/Q370	Intel H310 PCH	Intel® H420E	Q670
RAM	2*DDR4 2133MHz	2*DDR4 2133/2400MHz	4*DDR4 2666/2400MHz	2*DDR4 2666MHz	2*DDR4 2933MHz	4*DDR4 3200MHz
Display	1*HDMI , 1*DVI-D , 1*VGA	1*HDMI , 1*eDP , 1*DP	2*DP , 1*HDMI	1*HDMI , 1*VGA , 1*DVID	1*VGA , 1*HDMI	1*VGA , 2*HDMI,1*DP
LAN	1*Intel I211AT 1*Intel I219LM	2*Intel I210AT	1*Intel I210AT 1*Intel I219LM	1*Intel I219LM 1*Intel I225V	1*Intel I219LM 1*Intel I225V	1*Intel I219LM 1*Intel I225V
Expansion	1*PCIe x16 2*PCIe x4(x1signal) 1*32-bit PCI 1*Mini PCIe	1*Mini PCIe (/mSATA) 1* M.2 2230 E-key	1*Mini PCIe 2*PCIe x8 slot 2*PCIe x16 slot	1*PCIe x16 1*PCI, 2*PCIe x4(x1signal) 1*M.2 3042/2280 M-Key	1*PCIe x16 3*PCIe x4(x1 signal) (One slot can split X4 signal) 3*PCI	2*PCIe x16 (x8signal) 3*PCIe x4(x4signal) 1*PCIe x4 (x1signal) 1*PCI 1*M.2 2280 M-key
Storage	3*SATA 3.0	1*SATA3.0 1*mSATA (/mini PCIe)	4*SATA 3.0 1*M.2 2280 M-key	1*SATA3.0 1*mSATA (/mini PCIe)	4*SATA3.0	7*SATA3.0
USB	4*USB3.0 (optional 8) 6*USB2.0	4*USB3.0 2*USB2.0	6*USB3.1 (2 pins) 7*USB2.0 (22 pins)	4*USB3.1 6*USB2.0	6*USB3.2 (2 pins) 4*USB2.0	8*USB3.2 (4 pins) 6*USB2.0 (1 pin)
COM	2*RS232/422/485 4*RS232(optional 10)	2*RS232/422/485 pin 2*RS232 pin	2*RS232/422/485 2*RS232 pin	1*RS232/422/485 1*RS232/422/485 pin 4*RS232 pin	2*RS232/422/485 4*RS232 pin	1*RS232/422/485 1*RS232/422/485 pin 4*RS232 pin
Power Supply	Standard ATX power supply	DC 12V Optional 9~36V wide voltage	Standard ATX power supply	Standard ATX power supply	Standard ATX power supply	Standard ATX power supply
Dimension	Micro-ATX : 244*244 mm	3.5寸 : 146*102 mm	Micro-ATX : 244*244 mm	Micro-ATX : 244*244 mm	ATX : 305*244 mm	ATX : 305*244 mm

1*RS232/422/485 1*VGA

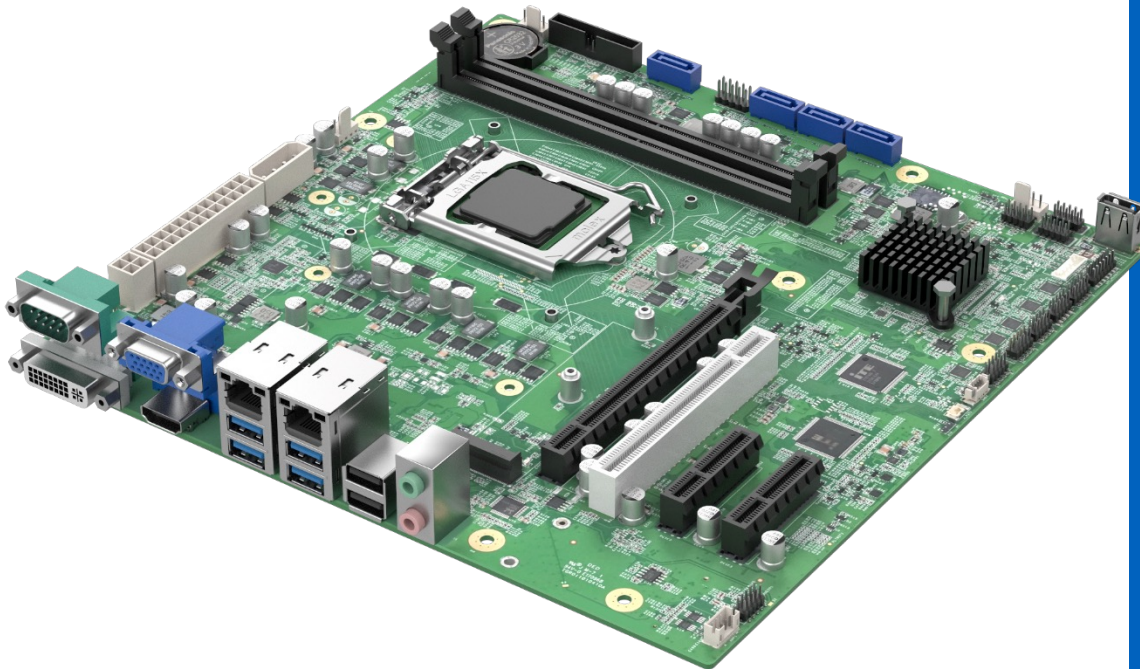
2*LAN 2*USB 2.0

1*Line out

■ MATX-I964 I/O Interface at a Glance



02 MATX-I964 Product Features

**1**

High-Performance
Processor

2

High quality
CPU power
supply

3

High-
Performance
Graphics

4

PCIe+PCI
Four Expansion

5

4+1 Storage

6

2.5G Bandwidth
Network

7

USB dual mode
power supply

8

Universal Micro-ATX
large motherboard

9th Gen desktop high-performance processor



High-performance processor

- Compared with the original 14nm process of Kaby lake, the performance of the 14nm++ process is improved by 26%, and the power consumption is reduced by 52%.
- Up to 36% faster integer multi-threaded compute-intensive applications with i7-9700E compared to i7-7700

CPU Support List - Core

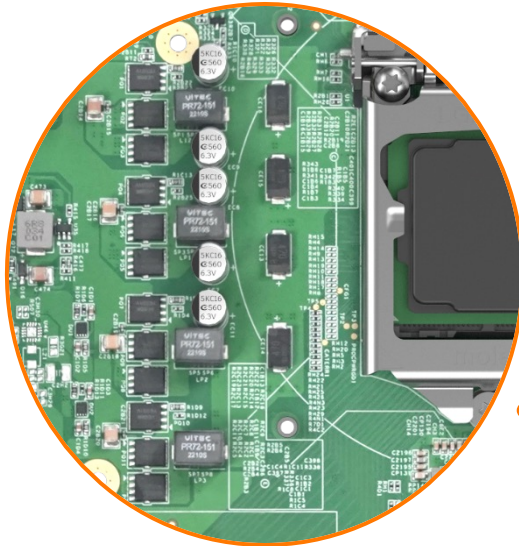
Processor Number	Number of Cores	Threads	Cache	TDP	Maximum Turbo Frequency	Processor Base Frequency
i9-9900K	8	16	16 MB	95 W	5.00 GHz	3.60 GHz
i9-9900T	8	16	16 MB	35 W	4.40 GHz	2.10 GHz
i9-9900	8	16	16 MB	65 W	5.00 GHz	3.10 GHz
i7-9700T	8	8	12 MB	35 W	4.30 GHz	2.00 GHz
i7-9700F	8	8	12 MB	65 W	4.70 GHz	3.00 GHz
i7-8700T	6	12	12 MB	35 W	4.00 GHz	2.40 GHz
i7-8700	6	12	12 MB	65 W	4.60 GHz	3.20 GHz
i7-8700T	6	12	12 MB	35 W	4.00 GHz	2.40 GHz
i5-8600T	6	6	9 MB	35 W	3.70 GHz	2.30 GHz
i5-8500	6	6	9 MB	65 W	4.10 GHz	3.00 GHz
i5-8500T	6	6	9 MB	35 W	3.50 GHz	2.10 GHz
i3-8100	4	4	6 MB	65 W	4.50 GHz	3.60 GHz
i3-8100T	4	4	6 MB	35 W	3.60 GHz	3.10 GHz

CPU Support List -Pentium/Celeron

Processor Number	Number of Cores	Threads	Cache	TDP	Processor Base Frequency
Pentium® Gold G5400T Processor	2	4	4 MB	35 W	3.10 GHz
Pentium® Gold G5400 Processor	2	4	4 MB	58 W	3.70 GHz
Pentium® Gold G5420 Processor	2	4	4 MB	54 W	3.80 GHz
Pentium® Gold G5420T Processor	2	4	4 MB	35 W	3.20 GHz
Celeron® G4950 Processor	2	2	2 MB	54 W	3.30 GHz
Celeron® G4900 Processor	2	2	2 MB	54 W	3.10 GHz
Celeron® G4930 Processor	2	2	2 MB	54 W	3.20 GHz

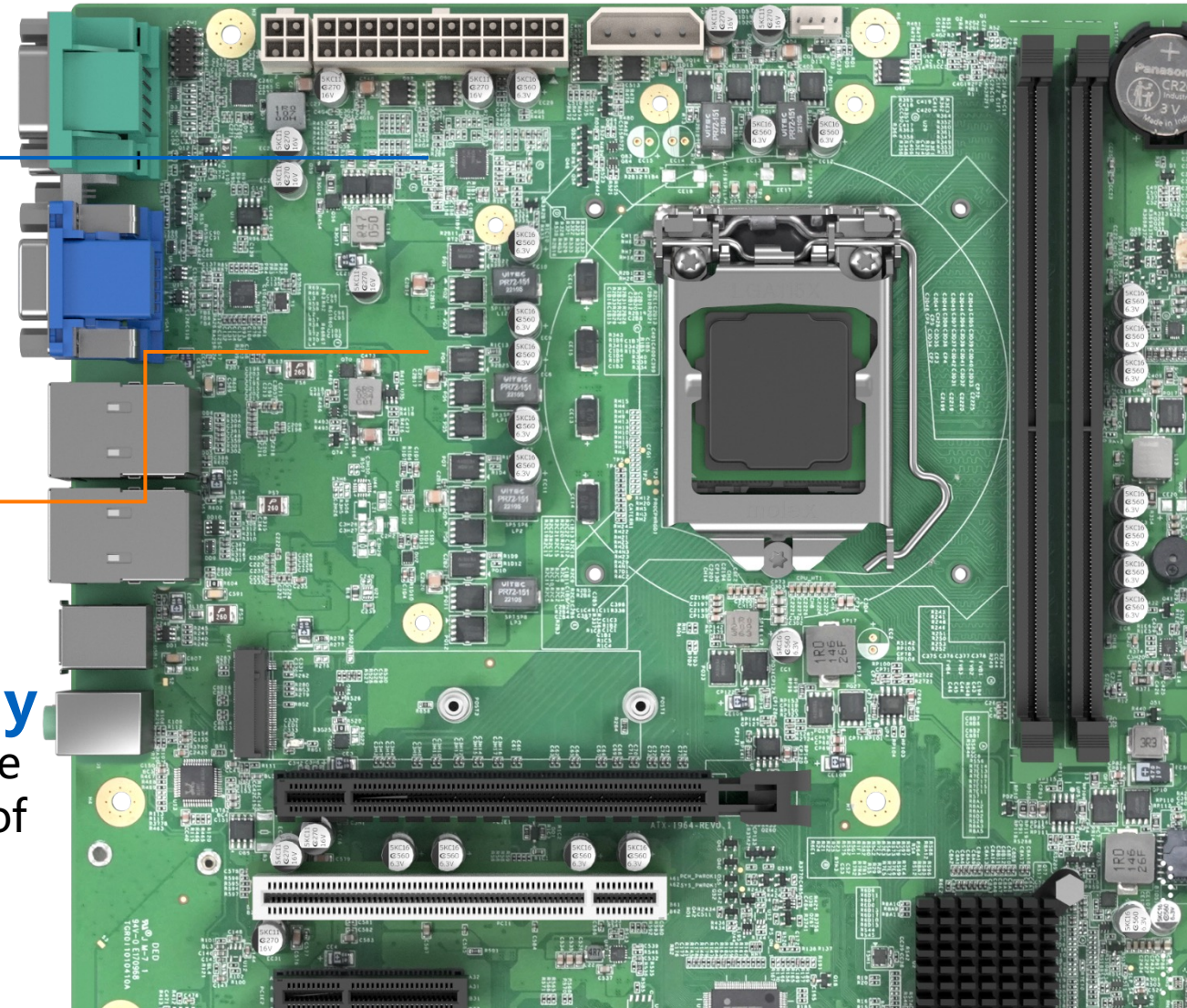


PWM Controller Chip

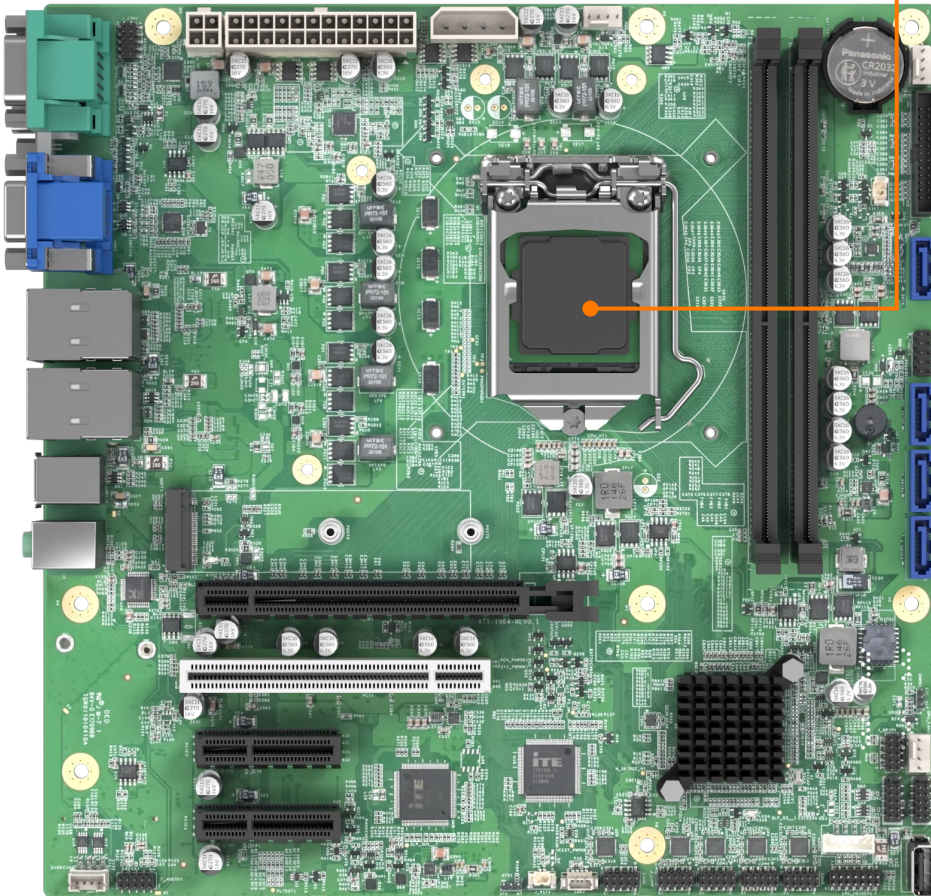


4+2 Phase, Ultra-Stable Power Supply

Among them, 4 phases are supplied to the CPU core (VCC), which meets the power supply requirement of I9-9900K CPU TDP 95W



★ High-Performance HD Graphics



- Intel® UHD Graphics UHD 630, up to 32 Eus
- AVC/VC1/MPEG2/HEVC/VP8/JPEG.HW HD codec,
- Support Direct3D 11.2, OpenGL 5.0, OpenCL 2.1,
- Highest resolution:

HDMI is 4096*2304@24Hz,
VGA is 1920*1200@60Hz,
DVI-D is 1920*1200@60Hz

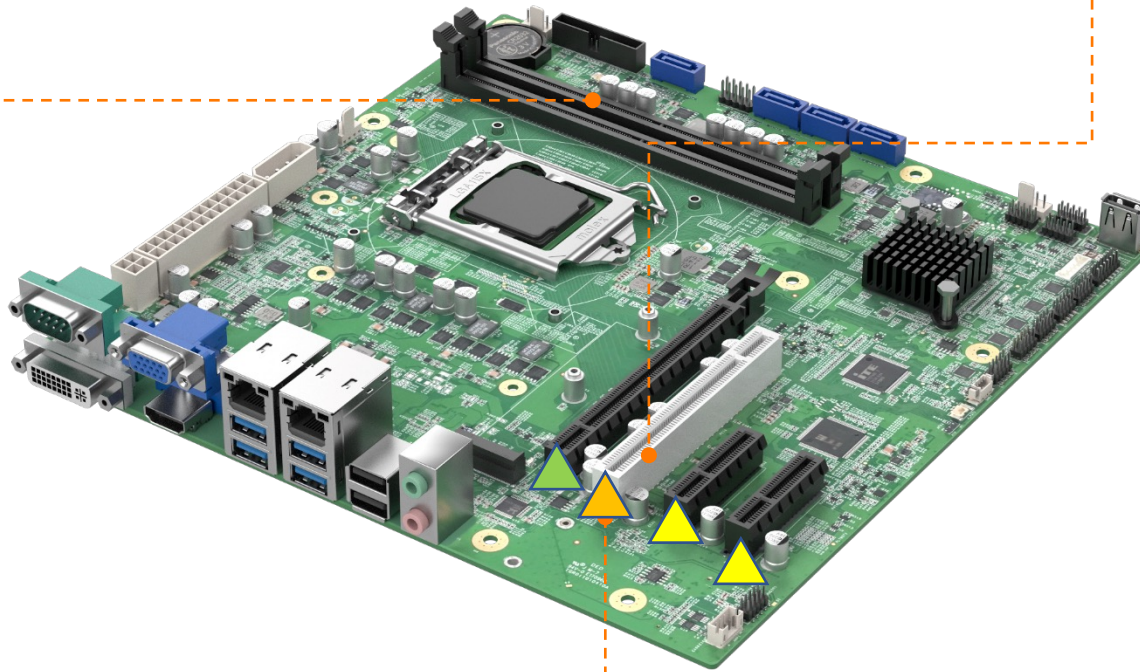
*Data comes from Intel official

★ Support 64G high-Capacity RAM

2*Dual Channel DDR4 2666MHz up to 64G

★ PCIe+PCI Fore Expansion

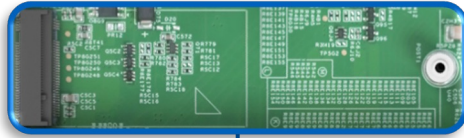
1*PCIe x16(Gen3.0 x16 signal)
2*PCIe x4 (Gen2.0 x1 signal),
1*32-bit PCI ,
1*M.2 3042/2280 M-Key (PCIe
x2, NVMe)



★ Slot Design

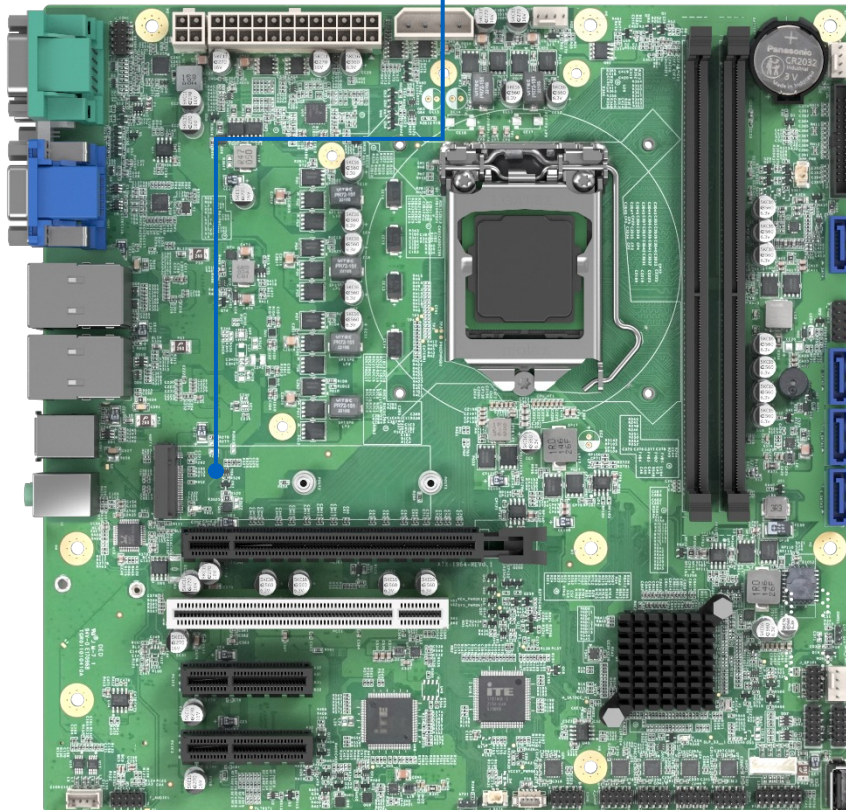
The PCI slot position is adjusted from the edge of the motherboard to the second slot close to the CPU. Even if it is installed in a thin chassis such as 1U and 2U, it is easy to use the riser card to expand the PCI and PCIe×16 slots.

M.2 2280 M-key
(Support NVMe , PCIe X2)



★ 4+1 Storage

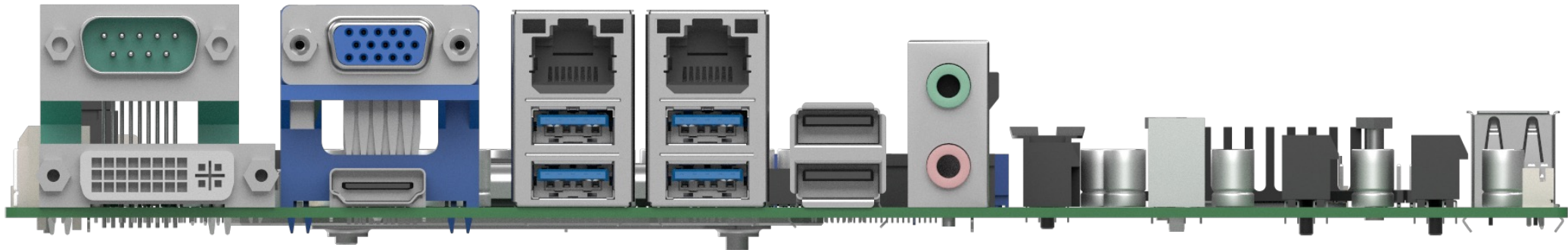
4*SATA3
6.0Gbps HDD/SSD



★ Support 2.5G Bandwidth Network

1*I225V network chip or 1*I226V network chip +

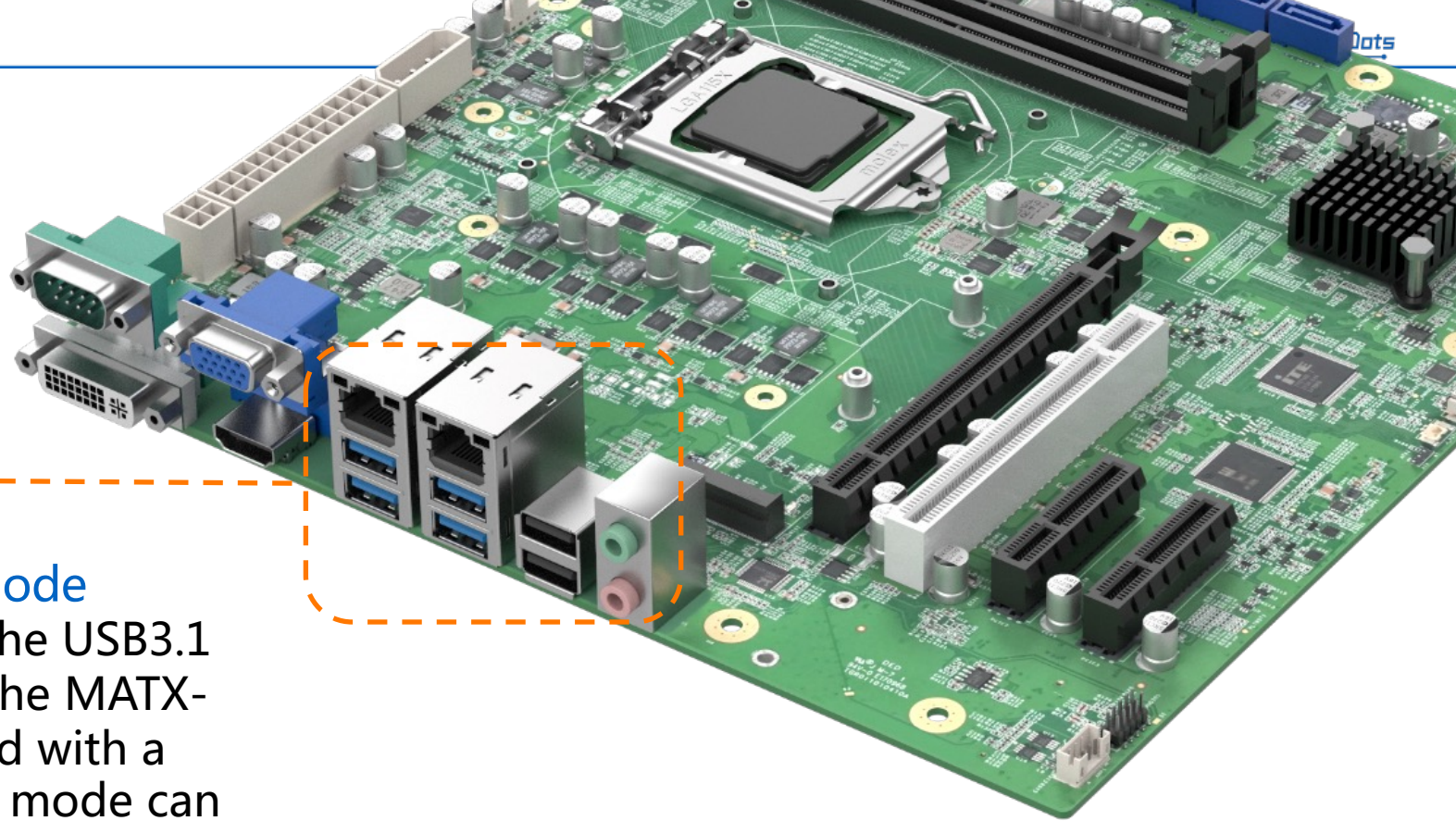
1*I219LM network chip



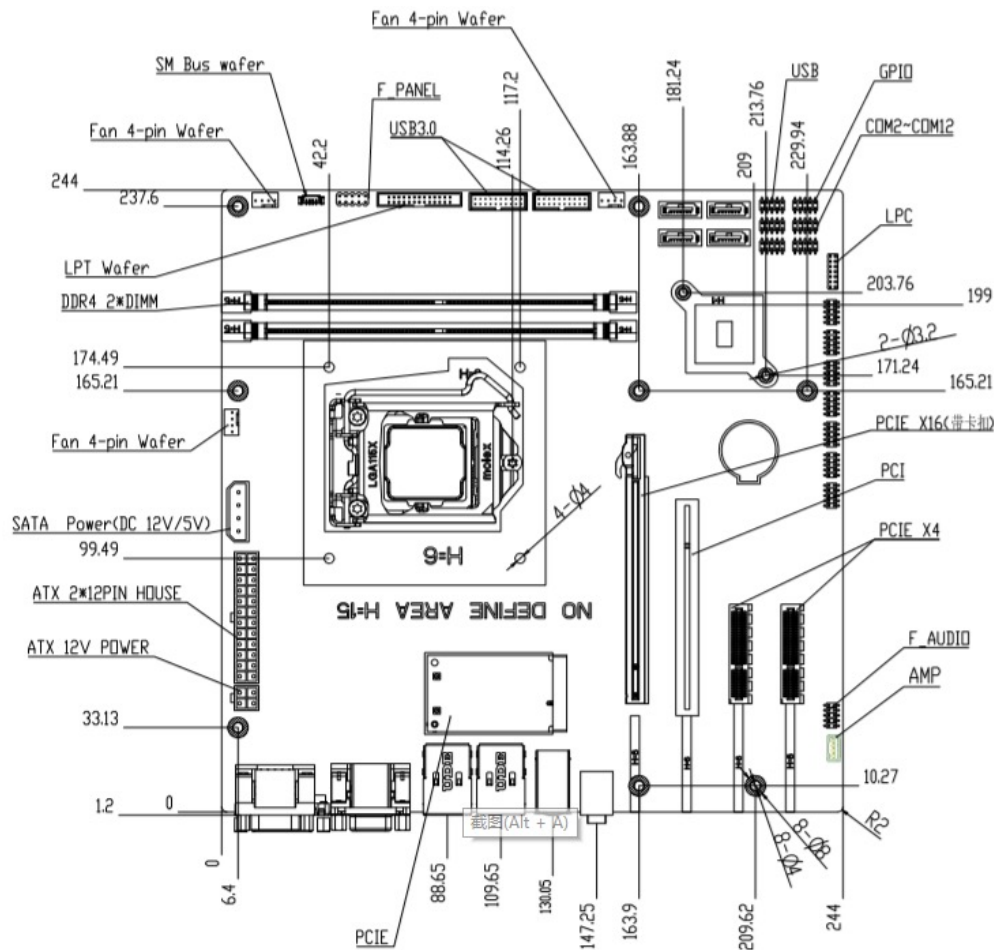


USB dual mode power supply

USB dual power supply mode switching function: Both the USB3.1 and USB2.0 interfaces on the MATX-I964 coastline are equipped with a wake-up function, and the mode can be switched through the jumper cap on the motherboard. In system mode, the single-port **external power supply** is 900mA/500mA respectively, can also realize the function of the keyboard and mouse to **wake up the motherboard** and so on.



★ Standard Micro ATX motherboard



Standard Micro ATX Motherboard Schematic

Standard Size

Length*Width
244mm*244mm (9.6 inches x 9.6 inches)

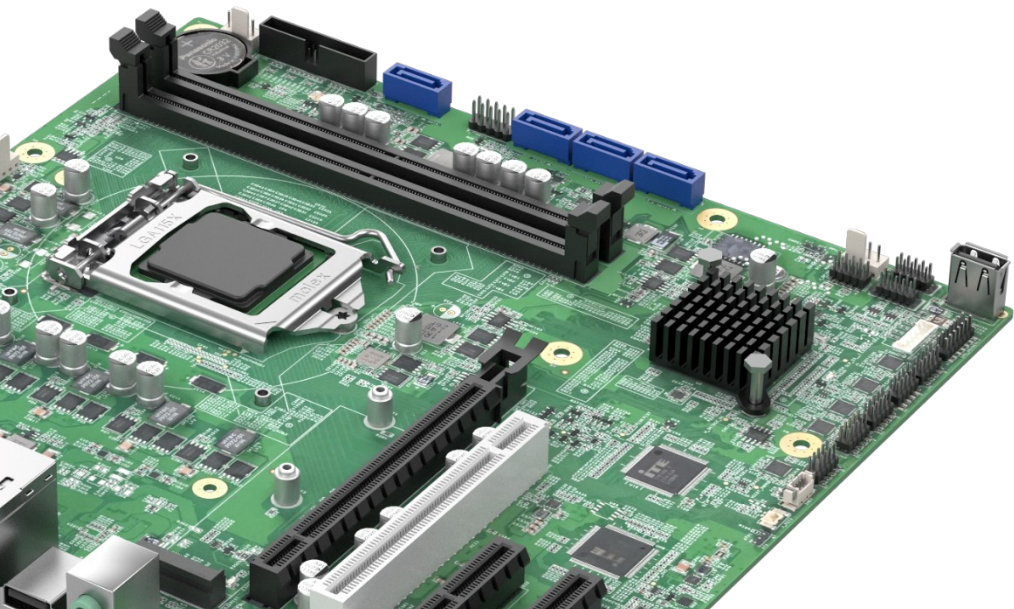
Standard hole position

The most regular and orthodox version, designed according to Micro ATX motherboard specifications

Standard Slot

Equipped with **four** expansion slots, strong expandability

03 MATX-I964 Ordering Info



Model	MATX-I964
Specification	Embedded single board computer, Intel H310+Coffee lake-S LGA1151 CPU, 2*LAN, 4*USB3.1 , 6*USB2.0 , 6*COM , 8 bit GPIO ,1*PCIe x16, 2*PCIe x4(x1signal), 1*PCI, 1*M.2 M-Key, 1*HDMI, 1*VGA, 1*DVI-D, 1*Line out and 1*Mic, optional Amplifier,4*SATA3(Support its 1 for SATA DOM),1*LPT, 1*PS2 , 24-pin ATX/4-pin ATX 12V power supply

04

Market Orientation





Machine Vision

- ✓ Logistics sorting
- ✓ Object measurement
- ✓ Visual positioning
- ✓ Image detection
- ✓ Image Identification

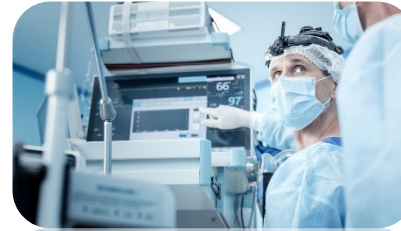


Distributed Control System

- ✓ Data acquisition
- ✓ Electricity monitoring



Betting Game



Medical imaging

- ✓ Quick acquisition
- ✓ Analysis and processing
- ✓ Data information storage



CNC machining

- ✓ Laser cutting
- ✓ CNC engraving and milling machine
- ✓ CNC machining center
- ✓ 3D printing

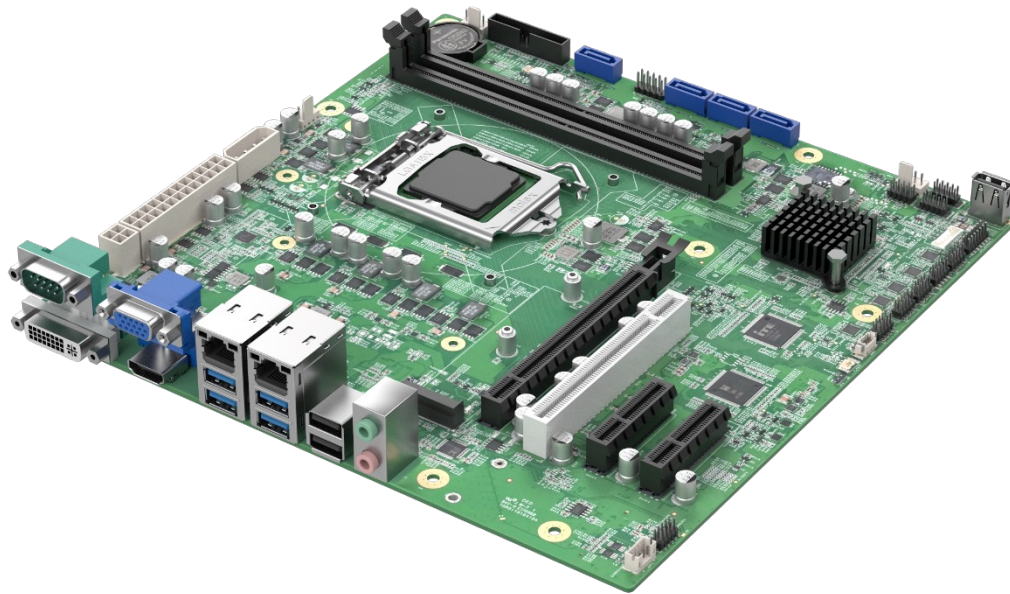


Discrete Manufacturing

- ✓ Vehicle assembly
- ✓ Engine assembly
- ✓ SMT Electronic Assembly
- ✓ Warehouse Management



05 MATX-1964 Product Schedule



EV Phase **Middle of August 2022**

PV Phase **October 2022**

**4U rack-mounted multi-
platform industrial computer**

PADR-S501 Series



- 01 PADR Series ROADMAP**
- 02 PADR-S501 Product Features**
- 03 Ordering Info**
- 04 Market Trend & Industry Direction**

CONTENTS

01

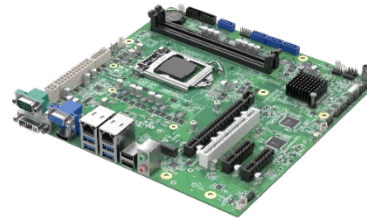
ESBC Single Board Computer

**MATX-1953**

- Intel® Skylake / Kabylake

**MATX-1961**

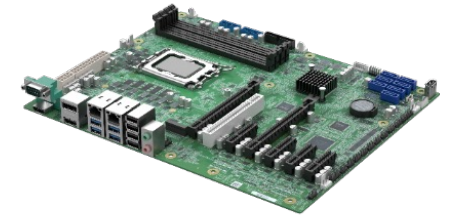
- Intel® Coffee lake-S

**MATX-1964**

- Intel® Coffee lake

**ATX-1971**

- Intel® Comet lake-S

**ATX-1980**

- Intel® Alder lake-S

- ✓ Cover different standard-size products
- ✓ Use standard mounting holes
- ✓ With PCIe, PCI, PCI, and other rich expansion card slots
- ✓ Configure stepped performance processors
- ✓ Meet the different needs of customers

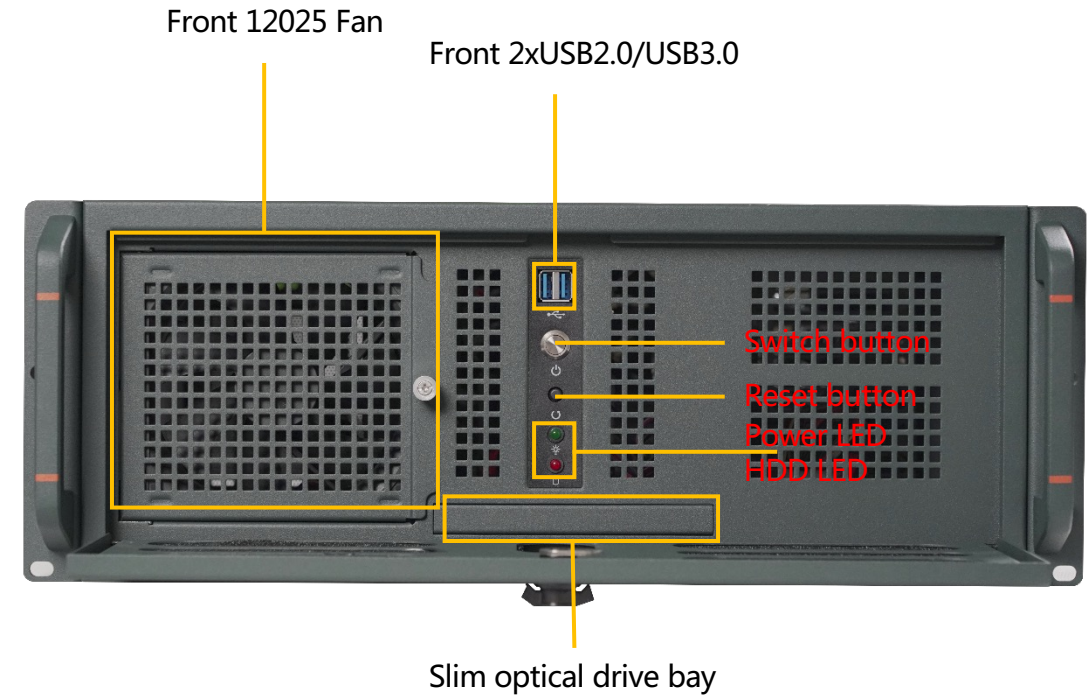
PADR-S501 series
Comparison table of various specifications

Model	MATX-I953	MATX-I961	MATX-I964	ATX-I971	ATX-I980
CPU	Intel®6/7 th Skylake/Kabylake Core™ i7/i5/i3 /Pentium/ Celeron	Intel®8/9 th Coffeelake-S Core™ i9/i7/i5/i3/Pentium /Celeron/Xeon	Intel®8/9 th Coffeelake-S Core™ i9/i7/i5/i3/Pentium /Celeron	Intel®10 th Cometlake-S Core™ i9/i7/i5/i3/Pentium /Celeron	Intel®12 th Alderlake-S Core™i9/i7/i5/i3 /Pentium/Celeron
Chipset	Intel® H110	Intel® Q370	Intel® H310	Intel® H420E	Intel® Q670
RAM	2*DDR4 2133MHz	4*DDR4 2666/2400MHz	2*DDR4 2666MHz	2*DDR4 293300MHz	4*DDR4 3200MHz
Display	1*HDMI , 1*DVI-D , 1*VGA	2*DP , 1*HDMI	1*HDMI , 1*DVI-D , 1*VGA	1*VGA , 1*HDMI	1*HDMI , 1*DP , 1*VGA
LAN	1*Intel I211AT 1*Intel I219LM	2*Intel I210AT 1*Intel I219LM	1*Intel I226V 1*Intel I219LM	1*Intel I219LM 1*Intel I226-V	1*Intel I226V 1*Intel I219LM
Expansion	1*PCIeX16 2*PCIeX4(X1signal) 1*32-bit PCI 1*Mini PCIe	2*PCIeX8 slot(X4 signal) 2*PCIeX16 slot (support 1*PCIeX16, if another slot is also connected to the device, it will automatically become 2*PCIeX8) 1*Mini PCIe 1*M.2 2280 M-Key	1*PCIeX16 2*PCIeX4(X1 signal) 1*32-bit PCI 1*M.2 2280 M-Key	1*PCIeX16 3*PCIeX4(X1 signal) (One slot can split X4 signal) 3*PCI	2*PCIeX16(X8 signal) 1*PCIeX4(X1 signal) 3*PCIeX4(X4 signal) 1*PCI 1*M.2 2280 M-Key
Storage	4*SATA 3.0	4*SATA 3.0	4*SATA3.0	4*SATA3.0	4*SATA3.0
USB	4*USB3.0 5*USB2.0	6*USB3.1 7*USB2.0	4*USB3.1 6*USB2.0	4*USB3.2 5*USB2.0	6*USB3.2 7*USB2.0
COM	2*RS232/422/485 4*RS232	2*RS232/422/485 2*RS232	2*RS232/422/485 4*RS232	2*RS232/422/485 2*RS232	1*RS232/422/485 5*RS232
Power Supply	Standard ATX power supply	Standard ATX power supply	Standard ATX power supply	Standard ATX power supply	Standard ATX power supply
Dimension	Micro-ATX : 244*244 mm	Micro-ATX : 244*244 mm	Micro-ATX : 244*244 mm	ATX : 305*244 mm	ATX : 305*244 mm

■ PADR-S501 series front IO overview

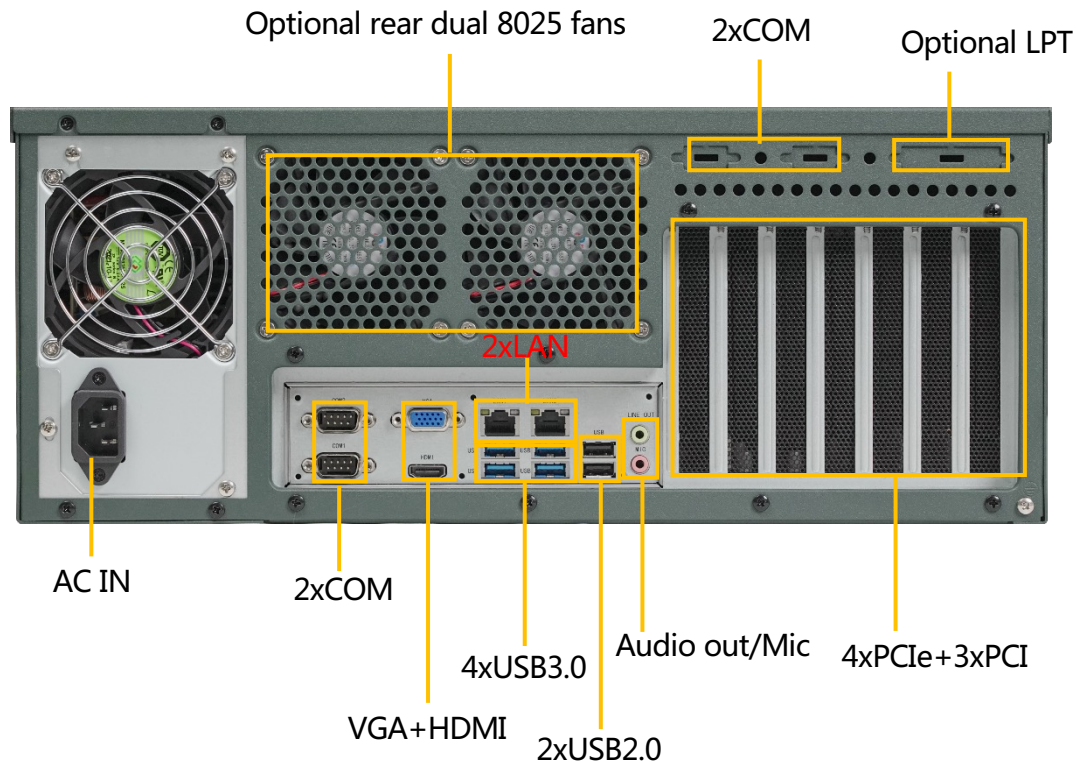


Front panel view

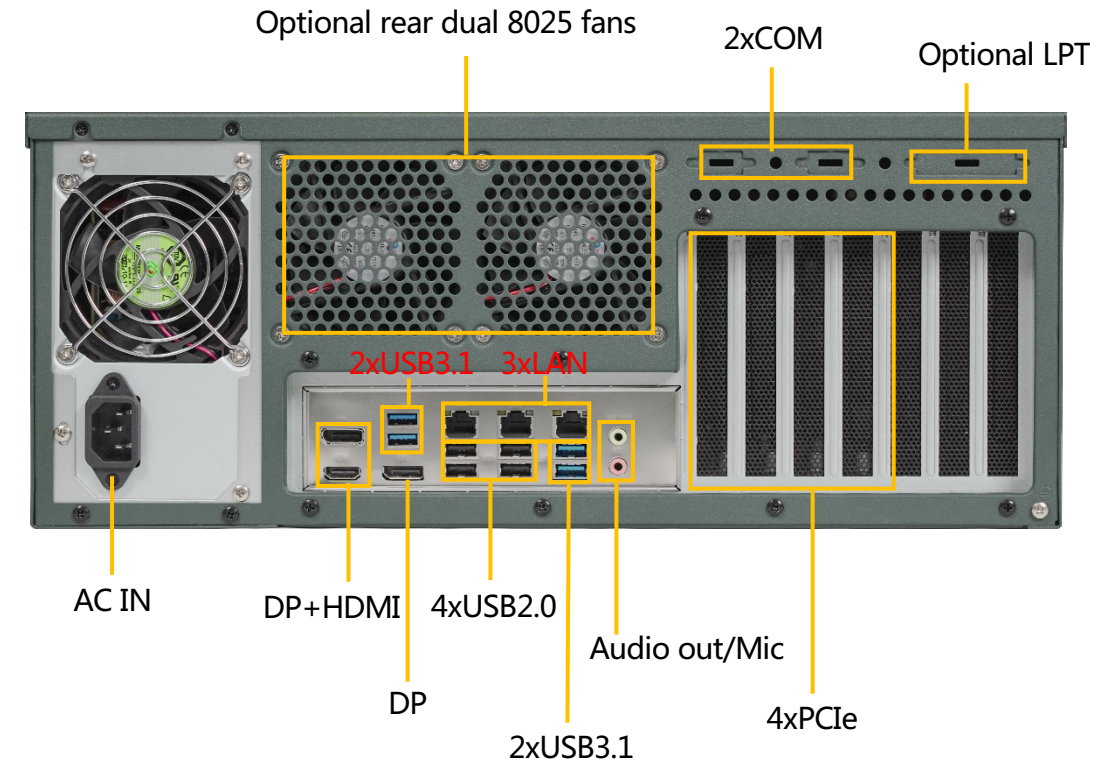


Front IO view

■ PADR-S501 series- rear window I/O interface overview

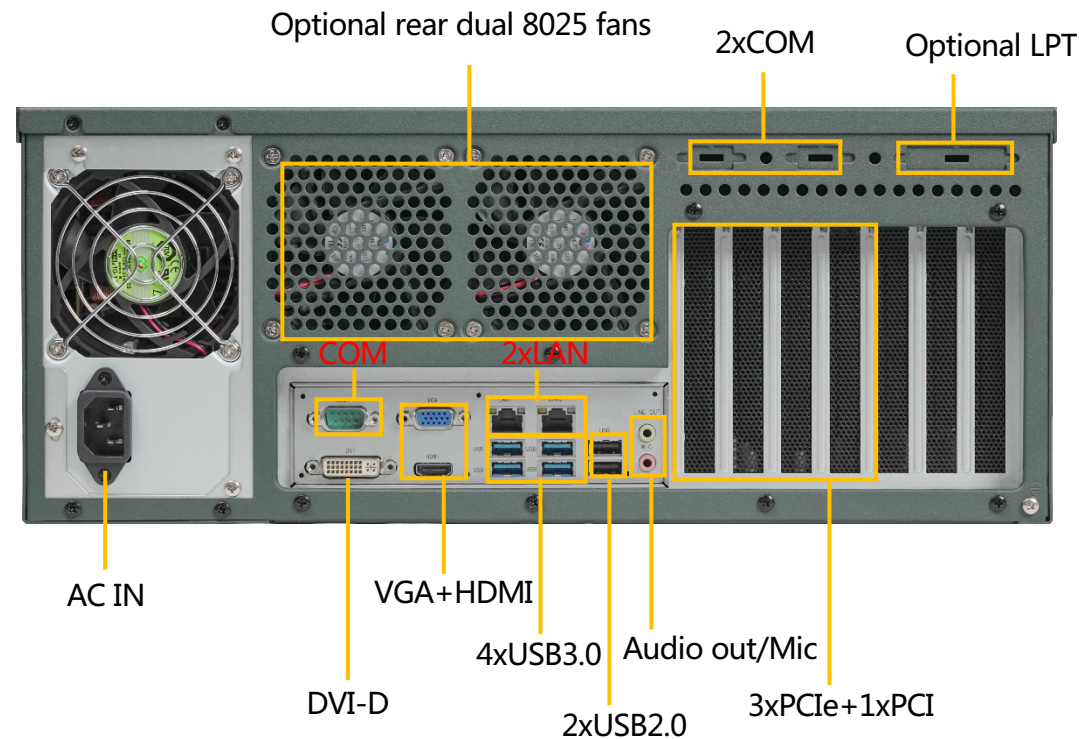


PADR-S501-971 rear window IO view



PADR-S501-961 rear window IO view

■ PADR-S501 series- rear window I/O interface Overview



PADR-S501-964/953 rear window IO view

02 PADR-S501 Series Product Features



- Multi-platform series
- High compatibility and multiple extensions
- Flexible and reliable power solutions
- Efficient heat dissipation design
- High power large size GPU card
- Industrial quality design and materials
- Product reliability certification

★ Multi-platform series + flexible CPU selection

Model	Chipset	CPU	
PADR-S501-953	Intel® H110		Intel®6/7th Skylake/Kabylake Core™ i7/i5/i3/Pentium/Celeron
PADR-S501-961	Intel® Q370		Intel®8/9th Coffeelake-S Core™ i9/i7/i5/i3/Pentium/Celeron/Xeon
PADR-S501-964	Intel® H310		Intel®8/9th Coffeelake-S Core™ i9/i7/i5/i3/Pentium/Celeron
PADR-S501-971	Intel® H420E		Intel®10th Cometlake-S Core™ i9/i7/i5/i3/Pentium/Celeron
PADR-S501-980	Intel® Q670		Intel®12th Alderlake-S Core™ i9/i7/i5/i3/Pentium/Celeron

Flexible and reliable power solution

- Removable power supply mount, can be equipped with ATX (PS2) power supply or Mini size 1+1 redundant power supply



- ATX (PS2) power supply: can provide wide-voltage input 300W, 500W, 750W, and 1000W different power supply selections, high conversion efficiency, first-line brand power supply

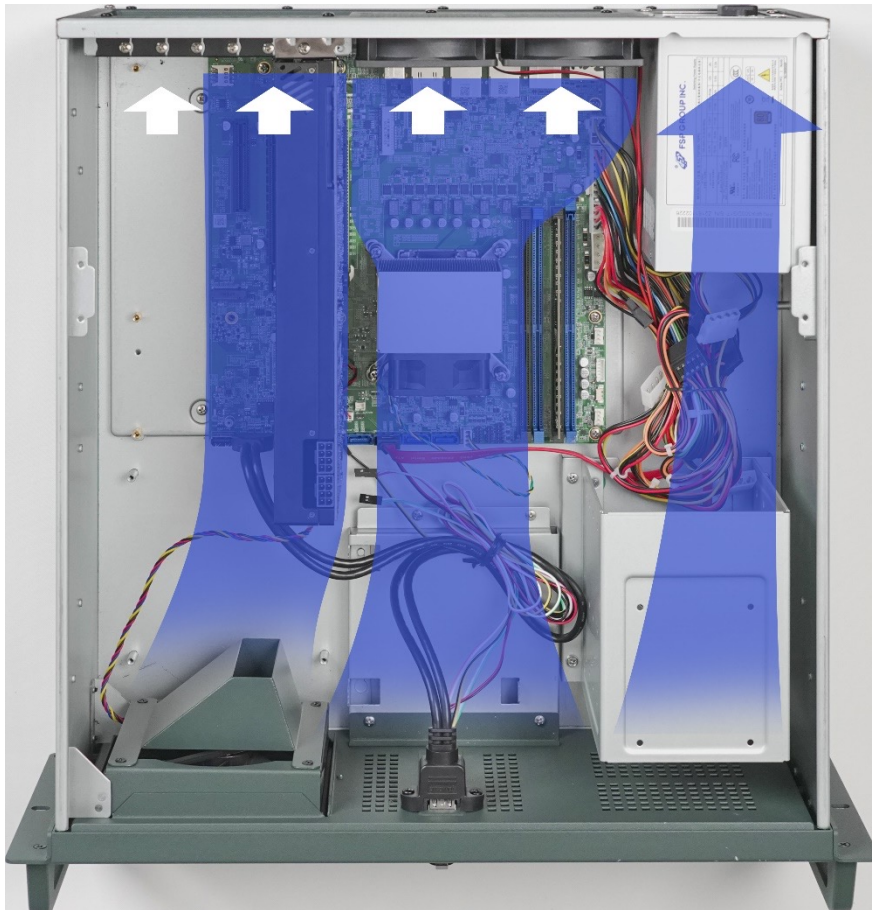
MODEL NO.: FSP300-60ATV(PF)	
AC INPUT: 115/230V~, 10/5A, 60/50Hz MAX. DC OUTPUT: 300W (+3.3V & +5V=200W MAX) DC OUTPUT: +3.3V == 28.0A(ORG), +5V == 30.0A(RED), +12V == 15.0A(YEL) +5Vsb == 2.0A(PURP), -5V == 0.3A(WHITE), -12V == 0.8A(BLUE)	
型號/型号: FSP300-60ATV(PF) (開關電源供應器/开关电源供应器)	
交流輸入/交流输入: 220-230V~, 4A, 50Hz 最大輸出功率/最大输出功率: 300W (+3.3V & +5V=200W 最大功率/最大功率) 直流輸出/直流输出: +3.3V == 28.0A(橙色/橙色), +5V == 30.0A(紅色/紅色) +12V == 15.0A(黃色/黃色), +5Vsb == 2.0A(紫色/紫色) -5V == 0.3A(白色/白色), -12V == 0.8A(藍色/藍色)	
警告! 請勿打開盒蓋, 內有危險高壓, 請退回代理商維修。 Attention! Pour les équipements de traitement de l'information DO NOT REMOVE THE COVER NO SERVICEABLE COMPONENTS INSIDE. REFER SERVING TO QUALIFIED SERVICE PERSONNEL. WARNUNG! GEFAHRENZONE SICHERHEITSHINWEIS: VOR DEM ÖFFNEN DES GERÄTES NETZSTECKER ZIEHEN. KEINE SERVICE-RELEVANTEN BAUTEILE ENTHALTEN. SERVICEARBEITEN SOLLTEN NUR VON AUTORISIERTEM FACHPERSONAL DURCHFÜHRT WERDEN. 警告! 請勿打開盒蓋, 內有危險高壓, 請退回代理商維修。	
   	
W/NOISE KILLER / W/ PFC / RoHS	

MODEL NO (型號/型号): FSP500-60EPN(80)	
AC INPUT 交流輸入/交流输入	100-240V~, 8-4A, 50-60Hz
DC OUTPUT 直流輸出/直流输出	+3.3V +5V +12V1 +12V2 +5Vsb -12V 24.0A 20.0A 18.0A 18.0A 2.5A 0.3A
Max Wattage 最大輸出功率/最大输出功率	120W Max 408W Max
Total output continuous shall not exceed 總輸出不可持續超過/總輸出不可持續超過	500W
   	
CAN ICES-3(B) / NMB-3(B) This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.	
警告! 請勿打開盒蓋, 內有危險高壓, 請退回代理商維修。 Attention: Pour les équipements de traitement de l'information DO NOT REMOVE THE COVER NO SERVICEABLE COMPONENTS INSIDE. REFER SERVING TO QUALIFIED SERVICE PERSONNEL. WARNUNG! GEFAHRENZONE SICHERHEITSHINWEIS: VOR DEM ÖFFNEN DES GERÄTES NETZSTECKER ZIEHEN. KEINE SERVICE-RELEVANTEN BAUTEILE ENTHALTEN. SERVICEARBEITEN SOLLTEN NUR VON AUTORISIERTEM FACHPERSONAL DURCHFÜHRT WERDEN. 警告! 請勿打開盒蓋, 內有危險高壓, 請退回代理商維修。	
ErP 2013 +5Vsb < 0.5W Input / W/NOISE KILLER / Active PFC / RoHS 8LL1435003GP XX	

MODEL NO (型號/型号): FSP750-50ABA	
AC INPUT 交流輸入/交流输入	100-240V~, 10-5A, 50-60Hz
DC OUTPUT 直流輸出/直流输出	+3.3V +5V +12V +5Vsb -12V 20.0A 20.0A 62.5A 3.0A 0.3A
Max Wattage 最大輸出功率/最大输出功率	100W 750W 15W 3.6W
Total output continuous shall not exceed 總輸出不可持續超過/總輸出不可持續超過	750W
WARNING! HAZARDOUS AREA SAFETY INSTRUCTIONS: DO NOT REMOVE THE COVER NO SERVICEABLE COMPONENTS INSIDE. REFER SERVING TO QUALIFIED SERVICE PERSONNEL. WARNUNG! GEFAHRENZONE SICHERHEITSHINWEIS: VOR DEM ÖFFNEN DES GERÄTES NETZSTECKER ZIEHEN. KEINE SERVICE-RELEVANTEN BAUTEILE ENTHALTEN. SERVICEARBEITEN SOLLTEN NUR VON AUTORISIERTEM FACHPERSONAL DURCHFÜHRT WERDEN. 警告! 請勿打開盒蓋, 內有危險高壓, 請退回代理商維修。	
   	
ErP 2013 5Vsb < 0.5W Input / W/NOISE KILLER / Active PFC / RoHS 8LL2156301GP XX	

MODEL NO (型號/型号): FSP1000-50AAG	
AC INPUT 交流輸入/交流输入	100-240V~, 14-7A, 60-50Hz
DC OUTPUT 直流輸出/直流输出	+3.3V +5V +12V +5Vsb -12V 30.0A 30.0A 83.0A 4.0A 0.8A
Max Wattage 最大輸出功率/最大输出功率	150W Max 1000W
Total output continuous shall not exceed 總輸出不可持續超過/總輸出不可持續超過	1000W
WARNING! HAZARDOUS AREA SAFETY INSTRUCTIONS: DO NOT REMOVE THE COVER NO SERVICEABLE COMPONENTS INSIDE. REFER SERVING TO QUALIFIED SERVICE PERSONNEL. WARNUNG! GEFAHRENZONE SICHERHEITSHINWEIS: VOR DEM ÖFFNEN DES GERÄTES NETZSTECKER ZIEHEN. KEINE SERVICE-RELEVANTEN BAUTEILE ENTHALTEN. SERVICEARBEITEN SOLLTEN NUR VON AUTORISIERTEM FACHPERSONAL DURCHFÜHRT WERDEN. 警告! 請勿打開盒蓋, 內有危險高壓, 請退回代理商維修。	
   	
BALL BEARING FAN / Active PFC / RoHS 8LL1807805GP	

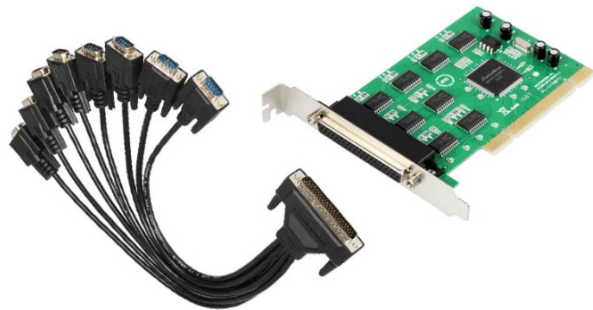
★ Through-type high-efficiency air-cooled heat dissipation



- Front panel and rear window are designed with dense ventilation mesh
- 1+2 Chassis Fan: Front Speed Adjustable 12025 Dual Ball Fan + Rear Dual 8025 Fan
- Optional CPU cooler with 65W, 95W and 125W temperature-controlled side-blowing fans

★ High compatibility and multiple extensions

Compatible with a variety of different brands of network cards, serial cards, motion control cards and graphics cards, etc.



★ Supports power supply and cooling for multiple types of GPU cards or AI accelerator cards

- 470mm depth body, 300W-1000W different power, high efficiency ATX power supply
- No size limitation supports full-length, full-height, and multi-fan GPU graphics cards.
- Support 1 or 2 reference card GPUs with power consumption below 450W (RTX 3090-Ti)
- Support different fans, support full-length, full-height or half-length, and half-height AI accelerator cards without fan



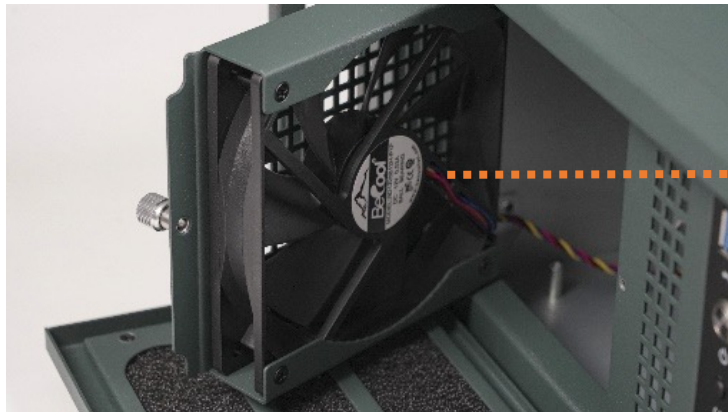
★ Industrial quality design and materials



**1.2mm SGCC steel plate material
Metal mold body forming**



**Door panel safety lock and
magnetic design**

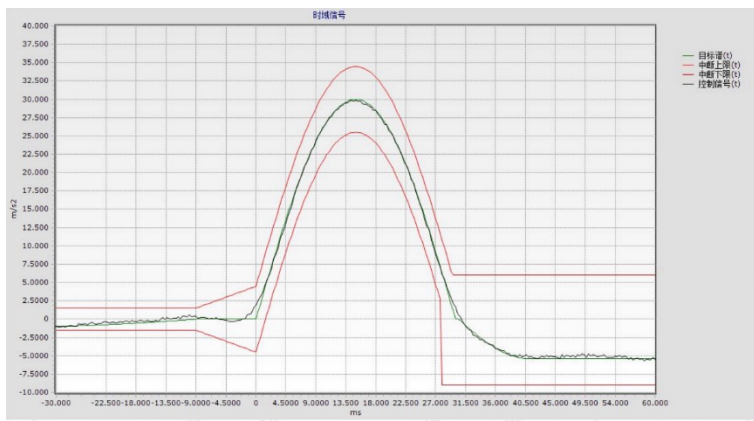


**Dust-proof grille and fan are
easy to disassemble and
maintain**

**Expansion card pressure strip, hard plastic
mold fastener, flexible expansion and
contraction, suitable for expansion cards
of different heights and sizes**

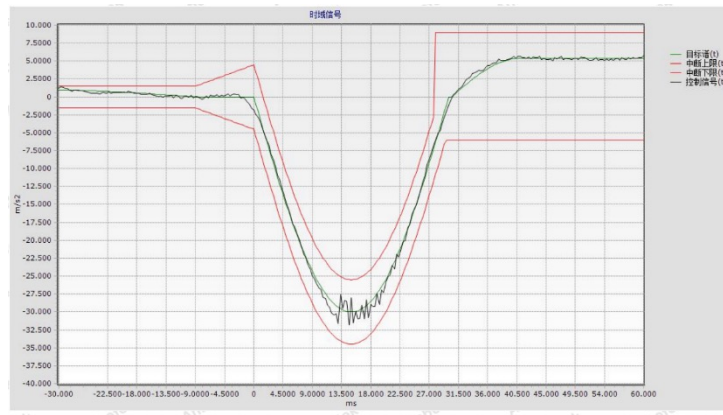


★ High product reliability



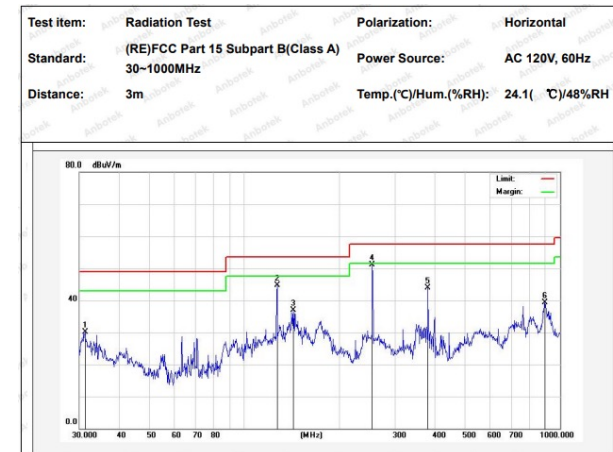
Test spectrogram(+X)

Impact

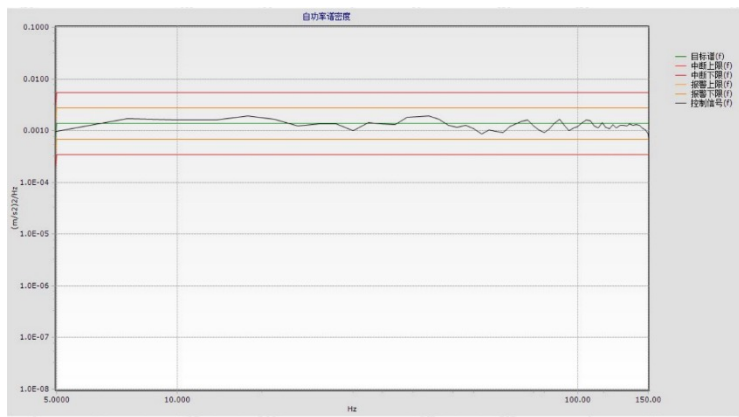


Test spectrogram(-X)

Impact

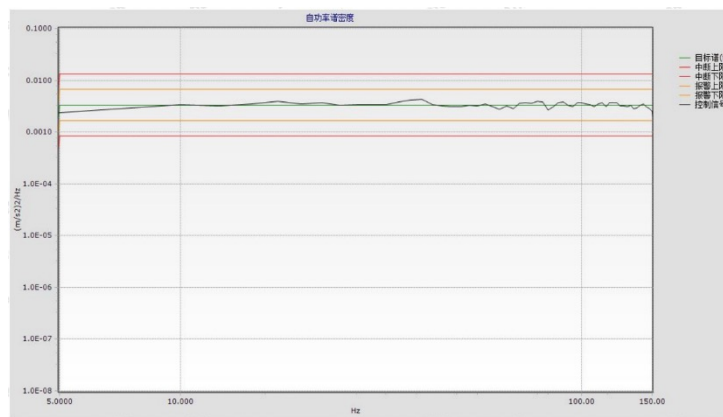


EMC



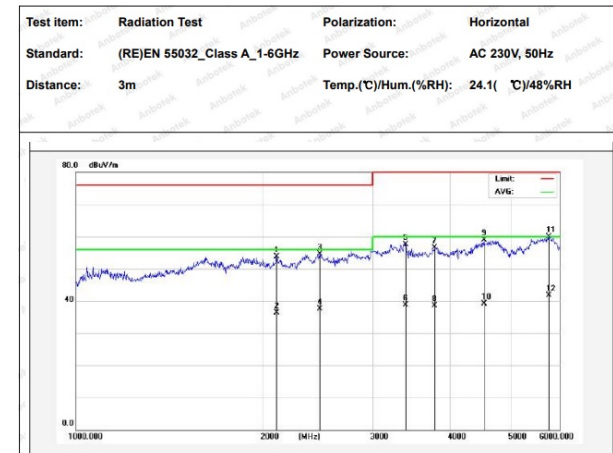
Test spectrogram(X)

Vibration



Test spectrogram(Y)

Vibration



EMC



03 PADR-S501-953 Ordering Info

Model	Description	Power Supply
PADR-S501/953-300	Intel® H110 PCH + Skylake-S/Kabylake-S LGA1151 CPU, 2xDDR4 UDIMM, 2xLAN,	AC 100-240V,ATX 300W
PADR-S501/953-500	4xUSB3.0, 5xUSB2.0(1 built-in), 6xCOM,1xPCIe X16, 2xPCIeX4(X1 signal), 1x32bit PCI, 1xMini	AC 100-240V,ATX 500W
PADR-S501/953-750	PCIe, 1xHDMI, 1xVGA, 1xDVI-D, 1xLine out和 1xMic, 4x3.5 "SATA bay	AC 100-240V,ATX 750W



03 PADR-S501-961 Ordering Info

Model	Description	Power Supply
PADR-S501/961-300	Intel® Q370 PCH+Coffee lake-R LGA1151 CPU, 4xDDR4 DIMM, 3xLAN, 6xUSB3.1 (2 built-in), 7xUSB2.0 (1 built-in), 4xCOM, 1xMini PCIe, 1xM.2 2280 M-Key, 1xPCIe X16 (or 2xPCIeX8), 2xPCIeX4, 1xHDMI, 2xDP, 1xLine out和1xMic, 4x3.5 "SATA bay.	AC 100-240V,ATX 300W
PADR-S501/961-500		AC 100-240V,ATX 500W
PADR-S501/961-750		AC 100-240V,ATX 750W
PADR-S501/961-1000		AC 100-240V,ATX 1000W



03 PADR-S501-964 Ordering Info

Model	Description	Power Supply
PADR-S501/964-300	Intel® H310 PCH + Coffee lake-S LGA1151 CPU, 2xDDR4 UDIMM, 2xLAN, 4xUSB3.1, 6xUSB2.0(2 built-in), 6xCOM, 1xPCIe X16, 2xPCIeX4(X1 signal), 1x32bit PCI, 1xM.2 M-Key, 1xHDMI, 1xVGA, 1xDVI-D, 1xLine out and 1xMic, 4x3.5 "SATA bay	AC 100-240V,ATX 300W
PADR-S501/964-500		AC 100-240V,ATX 500W
PADR-S501/964-750		AC 100-240V,ATX 750W



03 PADR-S501-971 Ordering Info

Model	Description	Power Supply
PADR-S501/971-300	Intel® H420E PCH+Cometlake-S LGA1200 CPU, 2xDDR4 UDIMM, 2xLAN, 4xUSB3.2,	AC 100-240V,ATX 300W
PADR-S501/971-500	5xUSB2.0(1 built-in), 4xCOM,1xPCIe X16, 3xPCIeX4(X1 signal, one of which can be set	AC 100-240V,ATX 500W
PADR-S501/971-750	to X4 signal),3x32bit PCI,1xHDMI, 1xVGA, 1xLine out和1xMic, 4x3.5 "SATA bay.	AC 100-240V,ATX 750W

Product	Model	Introduction	Power
	PADR-S501/953-300	Intel® H110 PCH + Skylake-S/Kabylake-S LGA1151 CPU, 2xDDR4 UDIMM, 2xLAN, 4xUSB3.0, 5xUSB2.0(one built-in), 6xCOM,1xPCIe X16, 2xPCIeX4 (X1 signal), 1x32bit PCI, 1xMini PCIe, 1xHDMI, 1xVGA, 1xDVI-D, 1xLine out and 1xMic, 4x3.5 "SATA bay.	AC 220-230V,ATX 300W
	PADR-S501/953-500		AC 100-240V,ATX 500W
	PADR-S501/953-750		AC 100-240V,ATX 750W
	PADR-S501/961-300	Intel® Q370 PCH+Coffee lake-R LGA1151 CPU, 4xDDR4 DIMM, 3xLAN, 6xUSB3.1 (2 built-in), 7xUSB2.0 (1 built-in), 4xCOM, 1xMini PCIe, 1xM.2 2280 M-Key, 1xPCIe X16 (or 2xPCIeX8), 2xPCIeX4, 1xHDMI, 2xDP, 1xLine out and 1xMic, 4x3.5 "SATA bay.	AC 220-230V,ATX 300W
	PADR-S501/961-500		AC 100-240V,ATX 500W
	PADR-S501/961-750		AC 100-240V,ATX 750W
	PADR-S501/961-1000		AC 100-240V,ATX 1000W
	PADR-S501/964-300	Intel® H310 PCH + Coffee lake-S LGA1151 CPU, 2xDDR4 UDIMM, 2xLAN, 4xUSB3.1, 6xUSB2.0 (2 built-in), 6xCOM, 1xPCIe X16, 2xPCIeX4 (X1 signal), 1x32bit PCI, 1xM.2 M-Key, 1xHDMI, 1xVGA, 1xDVI-D, 1xLine out and 1xMic, 4x3.5 "SATA bay.	AC 220-230V,ATX 300W
	PADR-S501/964-500		AC 100-240V,ATX 500W
	PADR-S501/964-750		AC 100-240V,ATX 750W
	PADR-S501/971-300	Intel® H420E PCH+Comet lake-S LGA1200 CPU, 2xDDR4 UDIMM, 2xLAN, 4xUSB3.2, 5xUSB2.0(one built-in), 4xCOM,1xPCIe X16, 3xPCIeX4(X1 signal, one can be X4 signal), 3x32bit PCI,1xHDMI, 1xVGA, 1xLine out and 1xMic, 4x3.5 "SATA bay.	AC 220-230V,ATX 300W
	PADR-S501/971-500		AC 100-240V,ATX 500W
	PADR-S501/971-750		AC 100-240V,ATX 750W

04 Market Orientation



● Machine Vision

Logistics sorting/Object measurement/Visual positioning/Image detection/Image recognition



● CNC Machining

Laser cutting / Engraving machinery / CNC machining center / 3D printing



● Distributed Control System(DSC)

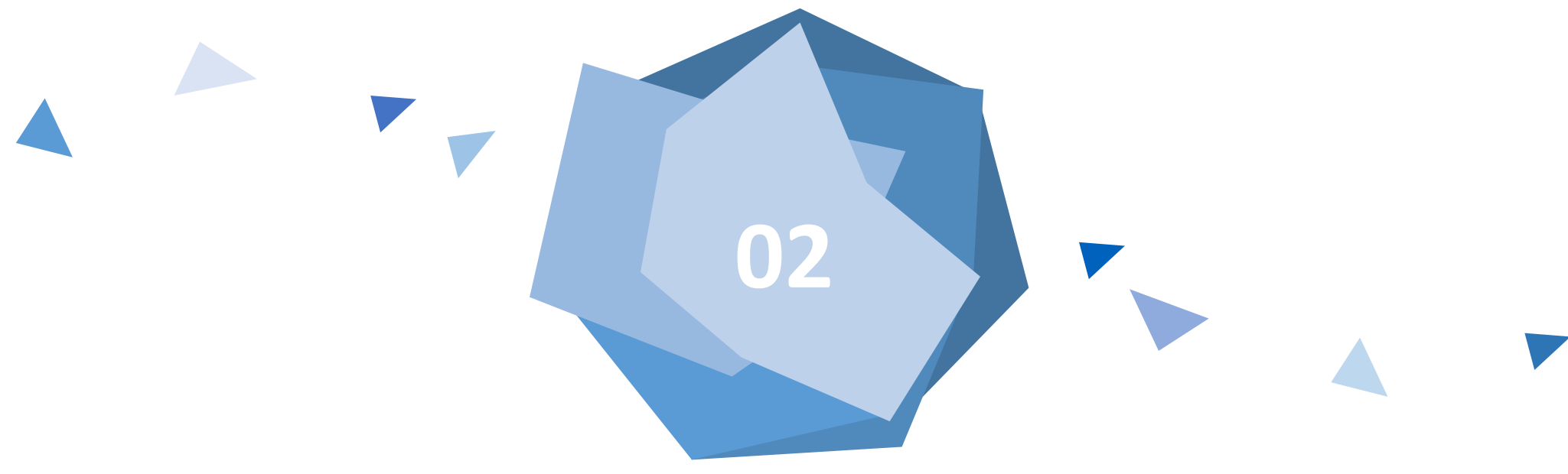
Data acquisition/Power monitoring



● Discrete Manufacturing

Vehicle Assembly/Engine Assembly/SMT
Electronic Assembly/Warehouse Management

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02

Q&A

Q1: Which motherboards can the PADR-S501 be equipped with ?

A1: PADR-S501 can support all JHCTECH Single Board Computers with ATX or MATX motherboards. Support Intel®6/7th Skylake/Kabylake Core™, Intel®8/9th Coffeelake-S Core™, Intel®10th Cometlake-S Core™, Intel®12th Alderlake-S Core™, Pentium/Celeron processor.

Q2: Can MATX-I964 support the RAID function or ECC DIMM?

A2: Because of the H310 chipset, the I964 motherboard can not support RAID and ECC.

Special Offer for PADR-S501 Series

Rules description:

This Order	Next Order	Deducted sample price from next order
For any distributor having attended our today webinar and completed within 14 days the order for the bare sample machine (PADR-S501 Series)	Over USD 5,000	50%
	Over USD 10,000	100%

1. The valid period for sample orders is counted from the day after the webinar. Eurasia: 11/17-11/30; South America: 11/18-12/01.
2. Screenshots must be joined to the order as proof of attendance at the webinar.
3. Offer limited to one purchase per model.
4. JHCTECH reserves the right of final approval for this commercial offer.



A promotional banner for a flash sale. The background is red with a large yellow starburst graphic. At the top, it says 'SPECIAL OFFER' in red. In the center, 'FLASH SALE' is written in large, bold, yellow and white letters with a lightning bolt effect. Below this, it says 'UP TO 100% OFF' in white and yellow. A yellow button with 'SHOP NOW' in red is positioned below the text. In the bottom right corner, there is a black PADR-S501 Series device with a mesh grille and the JHCTECH logo.

Black Friday Sale Only on Nov.21-28.2022

Special Promo 1

- Get \$150 off for every single order of \$3000 or more
- Get \$250 off for every single order of \$5,000 or more
- Get \$500 off for every single order of \$10,000 or more

Special Promo 2

The products on this list are **20%** off.

Note:

1. Those who already benefit from special discounts are not eligible for this new offer.
2. JHCTECH reserves the right of final approval for this commercial offer.

**BLACK
FRIDAY**
SALE **20%
OFF**

01



BRAV-7220

AI MEC Computing System

02



BRAV-7520

AI computing system

03



BRAV-7521

AI computing system

04



ECM-I910

3.5" Embedded Single Board Computer

05



ECM-I913

Single Board Computer

06



ATX-I971

Single Board Computer

07



MATX-I964

Single Board Computer

08



MATX-I953

Single Board Computer

09



SIGM-U1350

Fanless In-Vehide Computer

Stay in Touch



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