

## کاتالوگ سرورهای سازمانی ایسوس ۱۴۰۳



شرکت پارس ارتباط افزار

نماینده رسمی سرورهای ASUS در ایران

پیشرو در تولید، تأمین، توزیع، آموزش و خدمات پس از فروش تجهیزات  
حوزه فناوری اطلاعات و ارتباطات، نظارت تصویری، حفاظت پیرامونی و اعلام حریق



**رتبه اول** سرورهای دو پردازنده در آزمون های سنجش  
کارایی در سایت spec.org



# NO.1 2P SERVER

## spec 137 Benchmark World Records

فناوری های ویژه ASUS به منظور توسعه عملکرد پردازنده ها



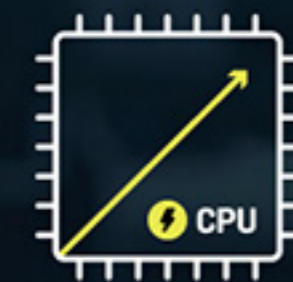
### بهینه سازی عملکرد پردازنده

بهینه سازی فرکانس پردازنده در عملیات چند هسته ای در سرور به منظور جلوگیری از کاهش فرکانس و کاهش سرعت کار در سرور



### تنظیمات پیش فرض به منظور بهینه سازی

پروفایل های از پیش ایجاد شده در بایوس سرورها و ورک استیشن های ایسوس نهادینه شده تا با خیال راحت و بدون دانشی خاص از نهایت کارایی یا بهینه سازی استفاده کنید.



### فناوری Engine Boost ایسوس

ایجاد ولتاژ مناسب به صورت خودکار به منظور دستیابی به عملکرد بهینه سرور و پایداری در فرکانس پردازنده



## معرفی شرکت پارس ارتباط افزار

نام شرکت: پارس ارتباط افزار

سال تأسیس: ۱۳۸۳

مؤسس و مدیر عامل: مجید کریمی

نوع فعالیت: تولید، تأمین، توزیع، آموزش و خدمات پس از فروش

جغرافیای تحت پوشش: سطح کشور ایران

محصولات: سیستم‌های حفاظتی و نظارت تصویری، راهکارها و تجهیزات ذخیره‌سازی

دیتا، تجهیزات کابلی و بی‌سیم شبکه، انواع سرورها و ایستگاه‌های کاری تجاری، مانیتورهای

تخصصی، تلفن‌های تحت شبکه، تجهیزات ایمنی و اعلام حریق، حفاظت پیرامونی، کنترل

تردد، اعلام سرقت، مدیریت ناوگان و تجهیزات پسیو شبکه.

دفاتر نمایندگی: بیش از ۳۰۰ دفتر نمایندگی در تهران و شهرستان‌ها و ۲۳ مرکز ارائه خدمات

پس از فروش در سراسر کشور



## مجوزهای فعالیت

• گواهی فعالیت صنعتی و تولیدی از وزارت صنعت، معدن و تجارت

• مجوز فعالیت از سازمان نظام صنفی رایانه ای استان تهران

• پروانه عرضه خدمات ورود، خرید و فروش تجهیزات رادیویی از سازمان تنظیم مقررات و ارتباطات رادیویی

• مجوز خدمات پس از فروش از سازمان حمایت از مصرف کنندگان و تولیدکنندگان

• دارنده گواهینامه ISO45001:2018, ISO14001:2015, ISO9001:2015

• پروانه عرضه خدمات تولید و فروش تجهیزات رادیویی از سازمان تنظیم مقررات و ارتباطات رادیویی

• گواهی رتبه بندی و احراز صلاحیت از شورای عالی انفورماتیک

• عضو اتحادیه صنف فناوریان رایانه استان تهران

• گواهی فعالیت نمایندگی شرکت خارجی از وزارت صنعت، معدن و تجارت

• عضو اتحادیه شرکت‌های فنی مهندسی حفاظت الکترونیک و شبکه‌های ایمنی

• پروانه فعالیت در حوزه خدمات عملیاتی افتا

• گواهینامه صلاحیت ایمنی پیمانکاران



## شرکت‌های تأمین کننده





# اول در رده بندی The GREEN 500 No.1



## سرورهای ایسوس رتبه اول در کیفیت و خدمات

ایسوس با بیش از ۱۷۰۰۰ کارمند در سطح جهان و بیش از ۵۵۰۰ متخصص تحقیق و توسعه یکی از شرکت هایی است که در لیست «محبوب ترین شرکت های جهان» مجله Fortune قرار دارد و همواره به خلق محصولاتی برای زندگی هوشمند امروز و آینده متعهد است.

- بیش از ۲۱ سال تجربه در تولید سرور با توانایی پردازش بالا
- دارای رتبه اول در لیست رده بندی ۵۰۰ سوپر کامپیوتر جهان با بهینه ترین مصرف انرژی در سال ۲۰۱۴
- یکی از دو شرکت تولیدکننده سرور در سال ۲۰۱۷ که موفق به کسب جایزه بهترین انتخاب نمایشگاه کامپیوتکس تایوان گردید.

## آزمون های کنترل کیفیت

### آزمون لرزش



جهت اطمینان از استقامت محفظه بیرونی و استحکام تمام اجزا با دوام طولانی.

### آزمون فرکانس و ولتاژ



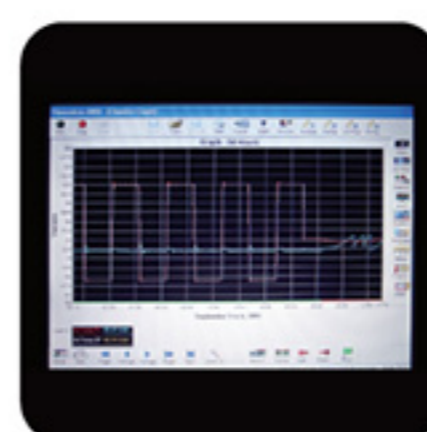
تحت این آزمون بررسی می گردد که دستگاه در تمام مناطق و تحت نوسانات ولتاژ و فرکانس برق ورودی در شرایط بار بالا در شبکه، کارکرد بهینه داشته باشد.

### آزمون افتادن از ارتفاع



جهت اطمینان از اینکه همه محصولات توان تحمل سخت ترین شرایط حمل و نقل و جابجایی را دارند.

### آزمون شوک حرارتی



اطمینان حاصل می گردد همه اجزای تشکیل دهنده دستگاه قابلیت تحمل تغییرات شدید درجه حرارت و عملکرد مناسب در حداکثر دمای تعریف شده را داشته باشند.

### آزمون سنجش حرارت



همه سرورها و ایستگاه های کاری تحت آزمون های سخت حرارتی قرار می گیرند تا با تهیه نقشه دمایی آنها، بهترین سیستم خنک کننده طراحی گردد.

### آزمون صدای مزاحم



با این آزمون صداهای مزاحم و ناخواسته حذف شده و اطمینان حاصل می شود دستگاه در حالت بدون استفاده و یا تحت فشار پردازش، کمترین صدای مزاحم را ایجاد نماید.

### آزمون ضربه و شوک در حالت غیر فعال



اطمینان حاصل می گردد همه سرورها و بردهای اصلی قابلیت تحمل انواع ضربه های محیطی که در دنیای واقعی رخ می دهد از قبیل لرزش و جابجایی های شدید را داشته باشند.

### آزمون دما و رطوبت



اطمینان حاصل می شود تمام اجزای دستگاه و سیستم خنک کننده آن قابلیت کار در شرایط دمایی سخت (از ۴۰- تا ۶۰+) درجه سانتیگراد را داشته باشند.



## ایسوس سبز

• طراحی سبز، تولید سبز، تأمین سبز

• دارنده تأییدیه های استاندارد Energy Star ، EPEAT و RoHS

• رویکرد حفظ منابع محیط زیست ASUS از روال های داخلی تا روش های تولید

### سبد محصولات سرور



#### سرورهای شتاب دهنده گرافیکی (Accelerator Servers)

سرورهای شتاب دهنده گرافیکی سری ESC توانایی انجام پردازش های فوق سنگین و قابلیت اطمینان بالایی را جهت پردازش های تصویری و هوش مصنوعی از طریق طراحی اختصاصی الکتریکی و روش های پیشرفته کنترل حرارت با دسترسی بالا (High availability) ارائه می دهند.



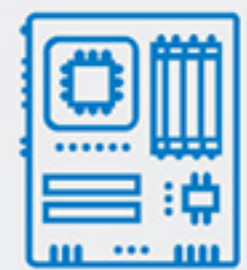
#### سرورهای ایستاده و قابل نصب در رک (Rack/Tower Servers)

ایسوس بازه وسیعی از سرورهای ایستاده (Tower) و قابل نصب در رک (Rackmount) را در خط تولید خود ارائه می دهد. این سرورها برای کاربردهای مختلفی از جمله پردازش های سنگین در حداقل فضای رک، پردازش های نیازمند گسترش و ارتقای بالا، راهکارهای نیازمند مدیریت مستمر و بارهای پردازشی مختلف و غیر همگون مناسب هستند.



#### ایستگاه های کاری (Workstations)

ایستگاه های کاری سری ESC ایسوس تایید شده توسط ISV، دارای توان پردازشی در سطح سرورها هستند. قابلیت ارتقاء فوق العاده و ورودی/خروجی های فراوان از مزایای آنهاست. این دستگاه ها برای تولید محتوا، استفاده متخصصین نرم افزارهای واقعیت مجازی، پردازش های سنگین گرافیکی و سرگرمی مناسب هستند.



#### برد اصلی سرورها و ایستگاه های کاری (Server & Workstation Motherboards)

ایسوس به عنوان برترین تولید کننده برد اصلی (Motherboard) در صنعت فناوری اطلاعات، بردهایی با بالاترین قابلیت اطمینان و توان پردازشی برای سرورها و ایستگاه های کاری تولید می نماید که نه تنها از نظر مصرف انرژی بهینه هستند بلکه دارای قابلیت های مدیریتی کاملی برای استفاده زیرساخت شبکه و سخت افزارهای سازمان همراه هستند.



#### تجهیزات جانبی و ملحقات (Accessories)

کارت های حافظه سریع Mezzanine در فرم OCP، کارت های شبکه PCI - Express و کارت های اختصاصی RAID ایسوس سری PIKE، سریع ترین رابط های شبکه و دارای بالاترین انعطاف در راهکارهای ذخیره سازی، مناسب برای مراکز داده می باشند.

### گارانتی پارس ارتباط افزار

امروزه کیفیت و نام یک برند به تنهایی نمی تواند عاملی برای جذب مشتریان و جلب رضایت آنها باشد؛ چرا که خدمات و سرویس های پس از فروش دارای اهمیت ویژه و نقش تعیین کننده در سطح رضایت مشتریان به حساب می آید. به همین منظور، شرکت پارس ارتباط افزار با اشراف کامل بر این امر و با در نظر گرفتن این خط مشی، مشتری گرایی را به عنوان بهترین گزینه، جایگزین بازارگرایی نموده و در سال های اخیر، پیوسته به توسعه بخش خدمات پس از فروش، هم از نظر تأمین منابع متخصص انسانی و هم از نظر تجهیزات راهبردی اهتمام ورزیده است.

در سال ۱۳۹۸ شرکت پارس ارتباط افزار، با توجه به پیشینه درخشان در عرصه ارائه تجهیزات و راهکارهای تخصصی در زمینه فناوری اطلاعات در کشور، متناسب با نیاز روز بازار اقدام به ارائه سرورها و تجهیزات ذخیره سازی ASUS که دارای مزیت رقابتی در حوزه خدمات پس از فروش با ۳ سال گارانتی می باشد، نموده است.





**Block Storage**

**VS320D-RS12**



**Block Storage**

**VS320D-RS26**

Architecture	Dual-active controller	Dual-active controller
Processor / System Bus	Intel® Xeon® 64-bit 4-core	Intel®Xeon® 64-bit 4-core
Memory	<b>Total Slots:</b> 4 <b>Capacity:</b> Maximum up to 256GB UDIMM <b>Memory Type:</b> DDR4 ECC DIMM <b>Memory Size:</b> 64GB/32GB RDIMM, 16GB/8GB UDIMM	<b>Total Slots:</b> 4 <b>Capacity:</b> Maximum up to 256GB UDIMM <b>Memory Type:</b> DDR4 ECC DIMM <b>Memory Size:</b> 64GB/32GB RDIMM, 16GB/8GB UDIMM
Storage	12 x 3.5" hot-swap drive bays <b>Compatible Drive Type:</b> 3.5"&2.5" SAS,NL-SAS,SED HDD/2.5"SAS,SED SSD <b>Maximum Drive Bays with Expansion Unit:</b> 492 Bays <b>Drive Interface:</b> SAS 12Gb/s <b>Maximum Internal Raw Capacity:</b> 264 TB (calculate 22 TB HDD) <b>Maximum Raw Capacity with Expansion Units:</b> 10,824 TB (calculate 22 TB HDD)	26 x 2.5" hot-swap drive bays <b>Compatible Drive Type:</b> 2.5"SAS,NL-SAS,SED HDD/2.5"SAS,SED SSD <b>Maximum Drive Bays with Expansion Unit:</b> 546 Bays <b>Drive Interface:</b> SAS 12Gb/s <b>Maximum Internal Raw Capacity:</b> 798 TB (calculate 30.72 TB HDD) <b>Maximum Raw Capacity with Expansion Units:</b> 16,773 TB (calculate 30.72 TB HDD)
Connectivity Port	<b>(Gen3x8 Slot)x2</b> <b>1GbE RJ45 LAN Port:</b> 1(onboard management port per controller) <b>10GbE SFP+ LAN Port:</b> 4 (onboard per controller)/ 4 (option) <b>10GbE RJ45 LAN Port:</b> 4 (option) <b>25GbE SFP28 LAN Port:</b> 2 (option)/ 4 (option) <b>16Gb SFP+ Fibre Channel:</b> 2 (option)/ 4 (option) <b>32Gb SFP28 Fibre Channel:</b> 2 (option)	<b>(Gen3x8 Slot)x2</b> <b>1GbE RJ45 LAN Port:</b> 1(onboard management port per controller) <b>10GbE SFP+ LAN Port:</b> 4 (onboard per controller)/ 4 (option) <b>10GbE RJ45 LAN Port:</b> 4 (option) <b>25GbE SFP28 LAN Port:</b> 2 (option)/ 4 (option) <b>16Gb SFP+ Fibre Channel:</b> 2 (option)/ 4 (option) <b>32Gb SFP28 Fibre Channel:</b> 2 (option)
Expansion and External Port	<b>12Gb/s SAS Wide Port:</b> 2 (onboard per controller) <b>USB Port:</b> 1(front)/2(rear) <b>Others:</b> Console Port x1,Service Port (UPS) x1	<b>12Gb/s SAS Wide Port:</b> 2 (onboard per controller) <b>USB Port:</b> 1(front)/2(rear) <b>Others:</b> Console Port x1,Service Port (UPS) x1
Software Specification	<b>Storage OS:</b> ASUS Storage Manager <b>RAID Type:</b> 0/1/3/5/6/10/30/50/60/5EE /6EE /50EE /60EE /N-waymirror <b>Storage Efficiency:</b> Thin provisioning <b>Software Acceleration:</b> SSD cache(option)/Autotiering (option) <b>Data Protection:</b> Snapshot /Local volume clone <b>Remote Replication:</b> Asynchronous (built-in)/Synchronous (option) <b>Security:</b> HTTPS/SSH /iSCSICHAP /ISE&SED <b>Management:</b> WebUI/Serialconsole/RESTfulAPI/S.E.S./LCM	<b>Storage OS:</b> ASUS Storage Manager <b>RAID Type:</b> 0/1/3/5/6/10/30/50/60/5EE /6EE /50EE /60EE /N-waymirror <b>Storage Efficiency:</b> Thin provisioning <b>Software Acceleration:</b> SSD cache(option)/Autotiering (option) <b>Data Protection:</b> Snapshot /Local volume clone <b>Remote Replication:</b> Asynchronous (built-in)/Synchronous (option) <b>Security:</b> HTTPS/SSH /iSCSICHAP /ISE&SED <b>Management:</b> WebUI/Serialconsole/RESTfulAPI/S.E.S./LCM
Front I/O ports	2 x USB 3.2 Gen1 2 x USB 2.0 1 x Headphone port 1 x Microphone port	1 x Enclosure Status LED 1 x Enclosure Access LED 1 x Enclosure PowerButton/LED 1 x USB Port 1 x UID(UniqueIdentifier)Button/LED
Rear I/O ports	1 x Master/Slave LED 1 x Controller Status LED 1 x Dirty Cache LED 1 x UID(Unique Identifier) LED 2 x 12Gb/s SAS Wide Port 4 x 10GbE iSCSI (SFP+) Port 1 x Management Port 1 x Service Port 1 x Console Port 1 x USB Port 1 x Resetto Factory Default Button 1 x Buzzer Mute Button	1 x Master/Slave LED 1 x Controller Status LED 1 x Dirty Cache LED 1 x UID(Unique Identifier) LED 2 x 12Gb/s SAS Wide Port 4 x 10GbE iSCSI (SFP+) Port 1 x Management Port 1 x Service Port 1 x Console Port 1 x USB Port 1 x Resetto Factory Default Button 1 x Buzzer Mute Button
Dimension	88mm x 438mm x 515mm	88mm x 438mm x 515mm
Power Consumption	429 W	429 W
Power Supply	1+1 Redundant 850W 80 PLUS Platinum Power Supply 1+1 Redundant 850W 80 PLUS Titanium Power Supply	1+1 Redundant 850W 80 PLUS Platinum Power Supply 1+1 Redundant 850W 80 PLUS Titanium Power Supply





**Edge Server**

EG500-E11-RS4-R



**Edge Server**

EG520-E11-RS6-R



**Edge Server**

EG520-E11-RS10-R

<b>Processor Support</b>	1x Socket E (LGA 4677) Intel®Xeon® Processor Scalable Family (Air cool with EVAC Up to 350W)	1x Socket E (LGA 4677) Intel®Xeon® Processor Scalable Family (Air cool with STD HSK Up to 350W)	1x Socket E (LGA 4677) Intel®Xeon® Processor Scalable Family (Air cool with STD HSK Up to 350W)
<b>Core Logic</b>	Intel® C741 Chipset	Intel® C741 Chipset	Intel® C741 Chipset
<b>Memory</b>	<b>8 x DIMM slots</b> (8-channel,1 DIMM per channel) 4th:DDR5 4800 MHz RDIMM/3DS RDIMM (1DPC) 5th:DDR5 5600 MHz RDIMM/3DS RDIMM (1DPC) Maximum 2048GB	<b>8 x DIMM slots</b> (8-channel,1 DIMM per channel) 4th:DDR5 4800 MHz RDIMM/3DS RDIMM (1DPC) 5th:DDR5 5600 MHz RDIMM/3DS RDIMM (1DPC) Maximum 2048GB	<b>8 x DIMM slots</b> (8-channel,1 DIMM per channel) 4th:DDR5 4800 MHz RDIMM/3DS RDIMM (1DPC) 5th:DDR5 5600 MHz RDIMM/3DS RDIMM (1DPC) Maximum 2048GB
<b>Expansion Slots</b>	<b>Up to 3 slots</b> 3 x PCIe G5 x16 link (FHHL)	<b>Up to 5 slots</b> 1 x PCIe G5 x16 link (FHHL) or 2 x PCIe G5 x8 link (FHHL)+ 2 x PCIe G5 x16 link (FHFL) or 3 x PCIe G5 x16/x8/x8 link (FHFL)	<b>Up to 5 slots</b> 3 x PCIe G5 x16 link (FHHL)or 3 x PCIe G5 x16/x8/x8 link (FHHL) +2 x PCIe G5 x8 link (FHHL)
<b>Storage</b>	2x 2.5" Front Hot-swap drive bays (SATA/NVME) + 2x 2.5" Int. SATA + 2x E1.S Hot-swap drive bays 2x M.2 (22110/2280,Gen5 x4 Link)	2x 2.5" Front Hot-swap drive bays(NVME/SATA)+ 4x 2.5" Rear Hot-swap drive bays(SATA) 2x M.2 (22110/2280, Gen5 x4 Link)	6x 2.5" Front Hot-swap drive bays(NVME/SATA)+ 4x 2.5" Rear Hot-swap drive bays(SATA) 2x M.2 (22110/2280, Gen5 x4 Link)
<b>Networking</b>	2 x X710 10G LAN Ports+ 1 x Dedicated management port	2 x 10GbE LAN port 1x Management port	2 x 10GbE LAN port 1x Management port
<b>Graphic</b>	Up to 3 GPU cards	Up to 2 double-slot GPU cards	Up to 2 double-slot GPU cards
<b>Front I/O ports</b>	2 x USB 3.2 Gen1 ports 1 x VGA port	2 x USB 3.2 Gen1 ports 1 x VGA port	2 x USB 3.2 Gen1 ports 1 x VGA port
<b>Rear I/O ports</b>	1 x VGA port 2 x USB 3.2 Gen1 ports 2 x RJ-45 10G LAN port 1 x RJ-45 Mgmt LAN port 1 x RJ-45 Console port	1 x VGA port 2 x USB 3.2 Gen1 ports 2 x RJ-45 10G LAN port 1 x RJ-45 Mgmt LAN port 1 x RJ-45 Console port	1 x VGA port 2 x USB 3.2 Gen1 ports 2 x RJ-45 10G LAN port 1 x RJ-45 Mgmt LAN port 1 x RJ-45 Console port
<b>Switch/LED</b>	<b>Front Switch/LED:</b> 1 x Power Switch w/ LED 1 x Location Switch w/ LED 1 x Message LED 1 x reset button <b>Rear Switch/LED:</b> 1 x Power Switch (w/ LED) 1 x Location Switch (w/ LED) 1 x Message LED 2 x LAN LED 1 x HDD LED 1 x reset button	<b>Front Switch/LED:</b> 1 x Power Switch w/ LED 1 x Location Switch w/ LED 1 x Message LED 1 x reset button <b>Rear Switch/LED:</b> 1 x Power Switch (w/ LED) 1 x Location Switch (w/ LED) 1 x Message LED 2 x LAN LED 1 x HDD LED 1 x reset button	<b>Front Switch/LED:</b> 1 x Power Switch w/ LED 1 x Location Switch w/ LED 1 x Message LED 1 x reset button <b>Rear Switch/LED:</b> 1 x Power Switch (w/ LED) 1 x Location Switch (w/ LED) 1 x Message LED 2 x LAN LED 1 x HDD LED 1 x reset button
<b>Dimension</b>	410mm x 96mm x 330mm	430mm x 438.5mm x 87mm(2U)	430mm x 438.5mm x 87mm(2U)
<b>Form Factor</b>	1U	2U	2U
<b>Management Solution</b>	ASUS Control Center Enterprise (Optional) On-Board ASMB11-iKVM for KVM-over-IP	ASUS Control Center Enterprise (Optional) On-Board ASMB11-iKVM for KVM-over-IP	ASUS Control Center Enterprise (Optional) On-Board ASMB11-iKVM for KVM-over-IP
<b>Environment</b>	Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 60°C Non operation humidity: 20% ~ 90% ( Non condensing) Note:Operating Temperature based on configurations	Operation temperature: 0°C ~ 55°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% ( Non condensing) Note: Operating Temperature based on configurations	Operation temperature: 0°C ~ 55°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% ( Non condensing) Note:Operating Temperature based on configurations
<b>Power Supply</b>	1+1 Redundant 650W 50.5MM SLIM Platinum Power Supply 1300W 50.5MM SLIM Platinum Power Supply	1+1 Redundant 1300W 50.5MM SLIM Platinum Power Supply 2000W 54.5MM SLIM Titanium* Power Supply (TBD)	1+1 Redundant 1300W 50.5MM SLIM Platinum Power Supply 2000W 54.5MM SLIM Titanium Power Supply (TBD)





RS720-E11-RS12U



RS700-E11-RS12U



RS700-E11-RS4U

Processor Support Intel®Xeon® Processor Scalable Family

Processor Support Intel®Xeon® Processor Scalable Family

Processor Support Intel®Xeon® Processor Scalable Family

Generation	4 <sup>th</sup> /5 <sup>th</sup>	4 <sup>th</sup> /5 <sup>th</sup>	4 <sup>th</sup> /5 <sup>th</sup>
Core Logic	Intel® C741 Chipset	Intel® C741 Chipset	Intel® C741 Chipset
Memory	<b>Total Slots:</b> 32 (8-channel per CPU, 16 DIMM per CPU) <b>Capacity:</b> Maximum up to 4TB <b>Memory Type:</b> 4th: 4800 MHz (1DPC)/4400 MHz (2DPC) 5th: 5600/4800 MHz (1DPC)/4400(2DPC) <b>Memory size:</b> 64GB, 32GB, 16GB RDIMM 256GB, 128GB RDIMM 3DS	<b>Total Slots:</b> 32 (8-channel per CPU, 16 DIMM per CPU) <b>Capacity:</b> Maximum up to 4TB <b>Memory Type:</b> 4th: 4800 MHz (1DPC)/4400 MHz (2DPC) 5th: 5600/4800 MHz (1DPC)/4400(2DPC) <b>Memory size:</b> 64GB, 32GB, 16GB RDIMM 256GB, 128GB RDIMM 3DS	<b>Total Slots:</b> 32 (8-channel per CPU, 16 DIMM per CPU) <b>Capacity:</b> Maximum up to 4TB <b>Memory Type:</b> 4th: 4800 MHz (1DPC)/4400 MHz (2DPC) 5th: 5600/4800 MHz (1DPC)/4400(2DPC) <b>Memory size:</b> 64GB, 32GB, 16GB RDIMM 256GB, 128GB RDIMM 3DS
Expansion Slots	Up to 9 slots 6 x PCIe G5 x8 link or 3 x PCIe G5 x16 link (FHFL or FHHL) 1 x PCIe G5 x16 link (FHHL) 1 x OCP 3.0/PCIe Gen5 x16 link (FHHL) 1 x PCIe G5 x16, LP	Up to 1+3 PCIe slot 1 x OCP 3.0 or PCIe G5 x16 FHFL 1 x PCIe G5 x16 FHFL 1 x PCIe G5 x8. LP (Internal) 1 x PCIe G5 x16, LP	Up to 1+3 PCIe slot 1 x OCP 3.0 or PCIe G5 x16 FHFL 1 x PCIe G5 x16 FHFL 1 x PCIe G5 x8. LP (Internal) 1 x PCIe G5 x16, LP
Storage Bays	12 x 3.5"/2.5" hot-swap bay 8 x NVMe/SAS*/SATA + 4 NVMe/SATA Optional 2 x 2.5" Rear Hot-swap Storage Bays (Up to 2x NVMe/SATA)	12x2.5" NVMe/SATA/SAS* hot-swap bay (HBA/RAID is required to support SATA/SAS hard drives)	4 x 3.5" hot-swap bay 4 x NVMe/SATA/SAS* (HBA//RAID card is required to support SAS hard drives)
Drive Bays	12 x 3.5"/2.5" hot-swap bay 2 x M.2 slot	12 x 2.5" hot-swap bay 2 x M.2 slot	4 x 3.5" hot-swap bay 2 x M.2 slot
Networking	4 x 1Gbe(Intel I350-AM4) RJ45 port or 2 x 10Gbe(Intel X710-AT2) RJ45 port	4 x 1Gbe(Intel I350-AM4) RJ45 port or 2 x 10Gbe(Intel X710-AT2) RJ45 port	4 x 1Gbe(Intel I350-AM4) RJ45 port or 2 x 10Gbe(Intel X710-AT2) RJ45 port
Graphic	Aspeed AST2600 64MB	Aspeed AST2600 64MB	Aspeed AST2600 64MB
Front I/O ports	2 x USB 3.2 Gen1 ports		2 x USB 3.2 Gen1 ports
Rear I/O ports	2 x USB 3.2 Gen1 ports 1 x VGA port 1 x RJ-45 Management LAN port 2 x 10G or 4 x 1G RJ-45 GbE LAN port (optional)	2 x USB 3.2 Gen1 ports 1 x VGA port 1 x RJ-45 Management LAN port 2 x 10G or 4 x 1G RJ-45 GbE LAN port (optional)	2 x USB 3.2 Gen1 ports 1 x VGA port 1 x RJ-45 Management LAN port 2 x 10G or 4 x 1G RJ-45 GbE LAN port (optional)
Switch/LED	Front Switch/LED: 1 x Power Switch (w/ LED) 1 x Location Switch (w/ LED)	Front Switch/LED: 1 x Power Switch (w/ LED) 1 x Location Switch (w/ LED)	Front Switch/LED: 1 x Power Switch (w/ LED) 1 x Location Switch (w/ LED)
Dimension	840mm x 447mm x 88mm	842.5mm x 439.5mm x 44mm	842.5mm x 439.5mm x 44mm
Form Factor	2U	1U	1U
CPU Heatsink/Cooler	Standard/ EVAC Heatsink	Standard/ EVAC Heatsink	Standard/ EVAC Heatsink
Power Supply	1+1 Redundant AC: 2600W/1600W 80 PLUS Titanium/ Platinum Power Supply	1+1 Redundant AC: 1200W/1600W 80 PLUS Platinum/Titanium Power Supply	1+1 Redundant AC: 1200W/1600W 80 PLUS Platinum/Titanium Power Supply





RS720-E9-RS12-E



RS700-E10-RS12U



RS720-E10-RS12

<b>Processor Support</b>	2 x Socket P (LGA 3647) 1 <sup>st</sup> and 2 <sup>nd</sup> Generation Intel® Xeon® Scalable Processors Family (205W) UPI 10.4 GT/s	2 x Socket P+ (LGA 4189) 3 <sup>rd</sup> Gen Intel® Xeon® Scalable Processors Family(270w) UPI (11.2 GT/s)	2 x Socket P+ (LGA 4189) 3 <sup>rd</sup> Gen Intel® Xeon® Scalable Processors Family (270w) UPI (11.2 GT/s)
<b>Core Logic</b>	Intel® C621 PCH	Intel® C621A Chipset	Intel® C621A Chipset
<b>Memory</b>	<b>Total Slots:</b> (24-6 channel per CPU, 12 DIMM per CPU) <b>Capacity:</b> Maximum up to 7680GB <b>Memory Type:</b> DDR2400/2666/2933 4 RDIMM/ LRDIMM/LRDIMM 3DS/DCPMM* *Intel®Optane™ DC persistent memory (DCPMM)	<b>Total Slots:</b> (32-8 channel per CPU, 16 DIMM per CPU) <b>Capacity:</b> Maximum up to 6TB <b>Memory Type:</b> DDR2933/3200 4 RDIMM/ LRDIMM/LR DIMM 3DS	<b>Total Slots:</b> (32-8 channel per CPU, 16 DIMM per CPU) <b>Capacity:</b> Maximum up to 6TB <b>Memory Type:</b> DDR4 3200/2933 RDIMM/ LR DIMM/LR DIMM 3DS
<b>Expansion Slots</b>	6 x PCI-E x16 (Gen3 x8 link) or 3 PCI E x16 (Gen3 x16 link), FH, HL 1 x PCI-E x16 (Gen3 x16 link), LP, HL 1 x PCI E x16 (Gen3 x8 link), FH, HL 1 x OCP 2.0 Mezzanine (Gen3 x16 link)	1 x PCIe x16 slot(Gen4 x16 link), FH, HL (CPU1) 1 x PCIe x16 slot(Gen4 x16 link), FH, HL or OCP3.0 Mezzanine slot (CPU2) 1 x PCIe x16 slot (Gen4 x16 link), LP (CPU2) (if PCIe M.2 is in use, it will operate at x8 link) Proprietary Slot: 1 xPCIe x8 slot (Gen4 x8 link), LP (Internal Slot for PIKE) (CPU1)	Slot 1, 2: 2 x PCI-E x16 (Gen4 x8 link) or 1 PCI E x16 (Gen4 x16 link), FH, FL (CPU1) Slot3: 1 x PCI-E x16 (Gen4 x16 link), FH, HL (CPU1) or 1 x OCP3.0 Mezzanine slot (Gen4 x16 link) (CPU1) Slot 4: 1 x PCI-E x8 (Gen4/Gen3 x8 link), FH, HL (CPU1) Slot 5,6: 2 x PCI-E x16 (Gen4 x8 link) or 1 PCI E x16 (Gen4 x16 link), FH, FL (CPU2) Slot 7,8: 2 x PCI-E x16 (Gen4 x8 link) or 1 PCI E x16 (Gen4 x16 link), FH, FL (CPU2) Slot 9: 1 x PCI-E x16 (Gen4 x16 link), LP, HL (CPU2)* *Optional for COM port *Will drop to x8 when M.2 occupied
<b>Disk Controller</b>	<b>SATA Controller:</b> Intel® PCH 10 x SATA 6Gb/s ports + 1 x M.2 connector (SATA 6Gb/s & PCI-E Gen3 x4 link) or 9 x SATA 6Gb/s ports + 2 x M.2 connector (SATA 6Gb/s & PCI-E Gen3 x4 link) Intel® RSTe (for Windows and Linux; Support software RAID 0, 1, 5 & 10) <b>SAS Controller:</b> Optional kits: ASUS PIKE II 3108-8 port SAS HBA card, SAS Support	<b>SATA Controller:</b> Intel® PCH C621A Intel® RSTe : Support software RAID 0, 1, 5 & 10 Intel® VROC: Support software RAID 0, 1, 5 ,10 & 50 <b>SAS Controller:</b> Optional kits: ASUS PIKE II 3108-8 port SAS 12Gb/s HBA card ASUS PIKE II 3108-8 port SAS HW 12Gb/s RAID card Broadcom MegaRAID 9560 16i	<b>SATA Controller:</b> Intel® PCH C621A Intel® RSTe: Support software RAID 0, 1, 5 & 10 Intel® VROC : Support software RAID 0, 1, 5 & 10 <b>SAS Controller:</b> Optional kits: ASUS PIKE II 3108-8 port SAS 12Gb/s HBA card ASUS PIKE II 3108-8 port SAS HW 12Gb/s RAID card Broadcom MegaRAID 9560 16i
<b>Storage Bays</b>	Front bays: 12 x 3.5" or 2.5" Hot swap Storage Device Bays (8 x SATA/SAS + 4xSATA/SAS/NVMe) Rear bays (option): 2 x 2.5" hot- sway drive bays (2 x SATA/NVME) 2 x M.2 (22110, 2280, 2260, 2242) (Support SATA/PCIe M.2,SATA RAID)	Front bays: 12 x 2.5" hot-swap bays (12 x NVMe /SAS*/SATA) *SAS support only from SAS HBA/RAID card 2 x M.2 connector (NGFF 2280/2260. PCIe Gen4x4 link)(CPU2)	Front bays: 12 x 3.5 or 2.5" hot-swap bays (8x NVMe / SATA/ SAS*+ 4x SATA/SAS) Rear bays (option): 2 x 2.5" hot-sway drive bays (2x NVMe) *SAS support only from SAS HBA/RAID card * Support tri-mode card 2 x M.2 connector (NGFF 2280/2260. PCIe Gen4x4 link)(CPU2)
<b>Networking</b>	1 x Dual Port Intel I350AM2 Gigabit LAN Controller 1 x Management Port	Optional 1 x Quad Port Intel I350-AM4 1G LAN Controller* or 1 x Dual Port Intel X710-AT2 Gigabit 10G LAN Controller Default Management Port *Only for non GPU SKU	Optional 1 x Quad Port Intel I-350AM4 1G LAN Controller* or 1 x Dual Port Intel X710-AT2 Gigabit 10G LAN Controller Default Management Port *Only for non GPU SKU
<b>Graphic</b>	Aspeed AST2500 64MB	Aspeed AST2600 64MB	Aspeed AST2600 64MB
<b>Front I/O ports</b>	2 x USB 3.0 ports	N/A	2 x USB 3.2 Gen 1 ports
<b>Rear I/O ports</b>	2 x USB 3.0 ports 1 x VGA port 2 x RJ-45 GbE LAN ports 1 x RJ-45 Management LAN port	2 x USB 3.2 Gen1 ports 1 x VGA port 1 x RJ-45 Mgmt LAN port 4/2 x NIC ports* * The number of NIC ports available depends on the LAN Controller card installed	2 x USB 3.2 Gen1 ports 1 x VGA port 1 x RJ-45 Mgmt LAN port 4/2 x NIC ports* *The number of NIC ports available depends on the LAN Controller card installed.
<b>Dimension</b>	750mm x 444mm x 88mm (2U)	842.5mm x 439.5mm x 44mm (1U)	840mm x 44 9 mm x 88 .1 mm (2U)
<b>Power Supply</b>	1+1 Redundant 800W 80 PLUS Platinum Power Supply 850W 80 PLUS Titanium Power Supply	1+1 Redundant 1200W 80 PLUS Platinum Power Supply 1600W 80 PLUS Titanium Power Supply 1600W 80 PLUS Platinum Power Supply	1+1 Redundant 1600W 80 PLUS Platinum Power Supply 2400W 80 PLUS Titanium Power Supply





RS700-E9-RS4



RS700-E9-RS12



RS720-E9-RS8-G

<b>Processor Support</b>	2 x Socket P (LGA 3647) 1 <sup>st</sup> and 2 <sup>nd</sup> Generation Intel® Xeon® Scalable Processor Family (205W) UPI 10.4 GT/s	2 x Socket P (LGA 3647) 1 <sup>st</sup> and 2 <sup>nd</sup> Generation Intel® Xeon® Scalable Processor Family (205W) UPI 10.4 GT/s	2 x Socket P (LGA 3647) 1 <sup>st</sup> and 2 <sup>nd</sup> Generation Intel® Xeon® Scalable Processor Family (205W) UPI 10.4 GT/s
<b>Core Logic</b>	Intel® C621 PCH	Intel® C621 PCH	Intel® C621 PCH
<b>Memory</b>	<b>Total Slots:</b> (6-24 channel per CPU, 12 DIMM per CPU) <b>Capacity:</b> Maximum up to 7680GB <b>Memory Type:</b> DDR4 2933/2666/2933 RDIMM/LRDIMM/LRDIMM 3DS/DCPMM* *Intel® Optane™ DC persistent memory (DCPMM)	<b>Total Slots:</b> (6-24 channel per CPU, 12 DIMM per CPU) <b>Capacity:</b> Maximum up to 7680GB <b>Memory Type:</b> DDR4 2933/2666/2400 RDIMM/LRDIMM/LRDIMM 3DS/DCPMM* *Intel® Optane™ DC persistent memory (DCPMM)	<b>Total Slots:</b> (6-24 channel per CPU, 12 DIMM per CPU) <b>Capacity:</b> Maximum up to 7680GB <b>Memory Type:</b> DDR4 2933/2666/2400 RDIMM/LRDIMM/LRDIMM 3DS/DCPMM* *Intel® Optane™ DC persistent memory (DCPMM)
<b>Expansion Slots</b>	1 x PCI-E x16 (Gen3 x16 link), FH, HL 1 x PCI-E x16 (Gen3 x8 link), LP, HL 1 x PCI-E x8 (Gen3 x8 link), LP, HL 1 x OCP 2.0 Mezzanine (Gen3 x16 link)	1 x PCI-E x16 (Gen3 x16 link), FH, HL (Default for NVME4 OCuLink Card) 1 x PCI-E x16 (Gen3 x8 link), LP, HL 1 x OCP 2.0 Mezzanine (Gen3 x16 link)	2 x PCI-E x16 (Gen3 x16 link) FH,FL (for GPU*2) 1 x PCI-E x16 (Gen3 x16 link) LP,HL 3 x PCI-E x16 (Gen3 x8 link) FH,HL 1 x OCP 2.0 Mezzanine (Gen3 x16 link)
<b>Disk Controller</b>	<b>SATA Controller:</b> Intel® PCH 10 x SATA 6Gb/s ports + 1 x M.2 connector (SATA 6Gb/s & PCI-E Gen3 x4 link) or 9 x SATA 6Gb/s ports + 2 x M.2 connector (SATA 6Gb/s & PCI-E Gen3 x4 link) Intel® RSTe ( for Windows and Linux; Support software RAID 0, 1, 5 & 10) <b>SAS Controller:</b> Optional kits: ASUS PIKE II 3108-8 port SAS HBA card ASUS PIKE II 3108-8 port SAS HW RAID card 12G SAS Support	<b>SATA Controller:</b> Intel® PCH 10 x SATA 6Gb/s ports + 1 x M.2 connector (SATA 6Gb/s & PCI-E Gen3 x4 link) or 9 x SATA 6Gb/s ports + 2 x M.2 connector (SATA 6Gb/s & PCI-E Gen3 x4 link) Intel® RSTe ( for Windows and Linux; Support software RAID 0, 1, 5 & 10) <b>SAS Controller:</b> Optional kits: ASUS PIKE II 3108-8 port SAS HBA card ASUS PIKE II 3108-8 port SAS HW RAID card 12G SAS Support	<b>SATA Controller:</b> Intel® PCH 10 x SATA 6Gb/s ports + 1 x M.2 connector (SATA 6Gb/s & PCI-E Gen3 x4 link) or 9 x SATA 6Gb/s ports + 2 x M.2 connector (SATA 6Gb/s & PCI-E Gen3 x4 link) Intel® RSTe (for Windows and Linux; Support software RAID 0, 1, 5 & 10) <b>SAS Controller:</b> Optional kits: ASUS PIKE II 3108-8 port SAS HBA card ASUS PIKE II 3108-8 port SAS HW RAID card 12G SAS Support
<b>Storage Bays</b>	4 x 2.5" Hot-swap Storage Bays (4 x Hybrid SAS/SATA) 2 x M.2 (22110, 2280, 2260, 2242) (Support SATA/PCIe M.2,SATA RAID)	12 x 2.5" Hotswap Storage Bays (4 x Default NVMe,4 x Hybrid NVMe/SAS/SATA, 4 x Hybrid SAS/SATA) 2 x M.2 (22110, 2280, 2260, 2242) (Support SATA/PCIe M.2,SATA RAID)	8 x 3.5" or 2.5" Hot-swap Storage Device Bays (4x SATA/SAS + 4x SATA/SAS/NVMe) 2 x M.2 (22110, 2280, 2260, 2242) (Support SATA/PCIe M.2,SATA RAID)
<b>Networking</b>	1 x Dual Port Intel I350AM2 Gigabit LAN Controller 1 x Management Port	1 x Dual Port Intel I350-AM2 Gigabit LAN Controller 1 x Management Port	1 x Dual Port Intel I350-AM2 GigabitLANController 1 x Management Port
<b>Graphic</b>	Aspeed AST2500 64MB	Aspeed AST2500 64MB	Aspeed AST2500 64MB
<b>Front I/O ports</b>	2 x USB 3.0 ports 1 x VGA port	2 x USB 3.0 ports 1 x VGA port	2 x USB 2.0 ports 1 x VGA port
<b>Rear I/O ports</b>	2 x USB 3.0 ports 1 x VGA port 2 x RJ-45 GbE LAN ports 1 x RJ-45 Management LAN port	2 x USB 3.0 ports 1 x VGA port 2 x RJ-45 GbE LAN ports 1 x RJ-45 Management LAN port	2 x USB 3.0 ports 1 x VGA port 2 x RJ-45 GbE LAN ports 1 x RJ-45 Management LAN port
<b>Dimension</b>	686mm x 444mm x 44mm (1U)	686mm x 444mm x 44mm (1U)	750mm x 444mm x 88mm (2U)
<b>Power Supply (following different configuration by region)</b>	1+1 Redundant 800W/500W 80 PLUS Platinum Power Supply	1+1 Redundant 800W 80 PLUS Platinum Power Supply	1+1 Redundant 1300W/1200W 80 PLUS Platinum Power Supply





**RS520-E9-RS8**



**RS520-E9-RS12UV2**



**RS540-E9-RS36-E**

<b>Processor Support</b>	2 x Socket P0 (LGA 3647) 1st and 2nd Generation Intel® Xeon® Scalable Processors Family (150W) UPI 10.4 GT/s	2 x Socket P0 (LGA 3647) 1st and 2nd Generation Intel® Xeon® Scalable Processor Family (205W) UPI 10.4 GT/s	2 x Socket P0 (LGA 3647) 1st Gen Intel® Xeon® Processor Scalable Family 2nd Gen Intel® Xeon® Processor Scalable Family(85w) UPI 10.4 GT/s
<b>Core Logic</b>	Intel® C621 PCH	Intel® C621 PCH	Intel® C621 PCH
<b>Memory</b>	<b>Total Slots:</b> 16 (6-channel per CPU, 8 DIMM per CPU) <b>Capacity:</b> Maximum up to 4096GB <b>Memory Type:</b> DDR4 2933 (1 DIMM per Channel) DDR4 2666/2400/2133 RDIMM/LRDIMM/LRDIMM 3DS (2DIMM per Channel) *if 2DPC, 2933MHz speed will drop to 2666MHz	<b>Total Slots:</b> 16 (6-channel per CPU, 8 DIMM per CPU) <b>Capacity:</b> Maximum up to 4096GB <b>Memory Type:</b> DDR4 2933 (1 DIMM per Channel) DDR4 2666/2400/2133 RDIMM/LRDIMM/LRDIMM 3DS (2DIMM per Channel) *if 2DPC, 2933MHz speed will drop to 2666MHz	<b>Total Slots:</b> 16 (4-channel per CPU, 8 DIMM per CPU) <b>Capacity:</b> Maximum up to 512GB RDIMM/ Maximum up to 2048GB RDIMM 3DS/Maximum up to 2048GB LRDIMM/ Maximum up to 4096GB LR DIMM 3DS <b>Memory Type:</b> DDR4 2933 (1 DIMM per Channel) DDR4 2666/2400/2133 RDIMM/LRDIMM/ LRDIMM 3DS (2DIMM per Channel)
<b>Expansion Slots</b>	2 x PCI-E x16 (Gen3 x16 link), LP, HL 4 x PCI-E x8 (Gen3 x8 link), LP, HL 1 x OCP 2.0 Mezzanine (Gen3 x16 link)	2 x PCI-E x16 (Gen3 x16 link), LP, HL 4 x PCI-E x8 (Gen3 x8 link), LP, HL 1 x OCP 2.0 Mezzanine (Gen3 x16 link)	2 x PCI-E x16 (Gen3 x16 link), LP, HL 4 x PCI-E x8 (Gen3 x8 link), LP, HL 1 x OCP 2.0 Mezzanine (Gen3 x16 link)
<b>Disk Controller</b>	<b>SATA Controller:</b> Intel® Lewisburg PCH 11 x SATA 6Gb/s ports (8 by 2 mini SAS Connector) 2 x M.2 connector(SATA 6Gb/s & PCI E Gen3 x4 link) Intel® RSTe (Support software RAID 0, 1, 10 &5) Intel® VROC (for Windows only; Support software RAID 0, 1, 5 & 10) <b>SAS Controller:</b> Optional kits: ASUS PIKE II 3108-8 port SAS HBA card ASUS PIKE II 3108-8 port SAS HW RAID card 12G SAS Support	<b>SATA Controller:</b> Intel® Lewisburg PCH 11 x SATA 6Gb/s ports (8 by 2 mini SAS Connector) 2 x M.2 connector(SATA 6Gb/s & PCI E Gen3 x4 link) Intel® RSTe (Support software RAID 0, 1, 10 &5) Intel® VROC (for Windows only; Support software RAID 0, 1, 5 & 10) <b>SAS Controller:</b> Optional kits: ASUS PIKE II 3108-8port SAS HBA card ASUS PIKE II 3108-8 port SAS HW RAID card 12G SAS Support	<b>SATA Controller:</b> Intel® 621 PCH 11 x SATA 6Gb/s ports (8 by 2 mini SAS Connector) 2 x M.2 connector(SATA 6Gb/s & PCI E Gen3 x4 link) Intel® RSTe (Support software RAID 0, 1, 5 & 10) <b>SAS Controller:</b> Optional kits: ASUS PIKE II 3108-8 port SAS 12G/s HBA card or ASUS PIKE II 3108-8 port SAS 12G/s HW RAID card(Default)
<b>Storage Bays</b>	8 x 2.5" or 3.5" Hotswap Storage Device Bays (4 x NVMe Supported) 2 x 2.5" HotSwap Storage Device Bays (Rear) (SATA SSD Only) 2 x M.2 (2280, 2260, 2242) (Support SATA/PCIe M.2,SATA/ PCIe RAID)	12 x 2.5" or 3.5" Hot-swap Storage Device Bays (8 x NVMe Supported) 2 x 2.5" Hot-Swap Storage Device Bays (Rear) (SATA HDD/SSD Only) 2 x M.2 (2280, 2260, 2242) (Support SATA/PCIe M.2,SATA/ PCIe RAID)	24 x Front Hot-Swap 3.5"/ 2.5" Storage Bays (BP w/Expander)* 12 x Rear Hot-Swap 3.5"/ 2.5" Storage Bays (BP w/Expander)* 2 x Hot-Swap 2.5" Storage Bays (Rear) 2 x M.2 (2280, 2260, 2242) (Support SATA/PCIe M.2,SATA/ PCIe RAID) *PIKE II Card needed (Default)
<b>Networking</b>	1 x Dual Port Intel I350AM2 Gigabit LAN controller 1 x Management Port	1 x Dual Port Intel I350-AM2 Gigabit LAN Controller 1 x Management Port	1 x Dual Port Intel I350-AM2 Gigabit LAN controller 1 x Management Port
<b>Graphic</b>	Aspeed AST2500 64MB	Aspeed AST2500 64MB	Aspeed AST2500 with 64MB VRAM
<b>Front I/O ports</b>	2 x USB 3.0 ports 1 x VGA port	2 x USB 2.0 ports	2 x USB 2.0 ports
<b>Rear I/O ports</b>	2 x USB 3.0 ports 1 x VGA port 2 x RJ-45 GbE LAN ports 1 x RJ-45 Mgmt LAN port	2 x USB 3.0 ports 1 x VGA port 2 x RJ-45 GbE LAN ports 1 x RJ-45 Mgmt LAN port	2 x USB 3.1 Gen 1 ports 1 x VGA port 2 x RJ-45 GbE LAN ports 1 x RJ-45 Mgmt LAN port
<b>Dimension</b>	615mm x 444mm x 88mm (2U)	615mm x 444mm x 88mm (2U)	615mm x 447mm x 176mm (4U)
<b>Power Supply (following different configuration by region)</b>	1+1 Redundant 800W 80 PLUS Platinum Power Supply	1+1 Redundant 800W 80 PLUS Platinum Power Supply	1+1 Redundant 800W 80 PLUS Platinum Power Supply





	RS300-E11-RS4	RS500-E8-RS8 V2	RS500-E9-RS4
<b>Processor Support</b>	1 x Socket LGA 1200 Intel® Xeon® E processors (up to 95W) Intel® Pentium™ processors	2 x Socket R3 (LGA 2011-3) Intel® Xeon® E5-2600 V4/V3 Processors(145w)	2 x Socket P0 (LGA 3647) 1 <sup>st</sup> Gen Intel® Xeon® Processor Scalable Family (up to 205W) 2 <sup>nd</sup> Gen Intel® Xeon® Processor Scalable Family (up to 205W)
<b>Core Logic</b>	Intel® C252 PCH	Intel® C2612	Intel® C621 PCH
<b>Memory</b>	<b>Total Slots:</b> (2-4 channel) <b>Capacity:</b> Maximum up to 128GB <b>Memory Type:</b> DDR4 3200/2933/2666 ECC and non-ECC UDIMM	<b>Total Slots:</b> 16x dimm slots <b>Capacity:</b> Maximum up to 1024GB LRDIMM <b>Memory Type:</b> DDR4 2400 RDIMM/LRDIMM	<b>Total Slots:</b> (6- 16 channel per CPU, 8 DIMM per CPU) <b>Capacity:</b> Maximum up to 4096 GB <b>Memory Type:</b> DDR4 2933 (1 DIMM per Channel) DDR4 2666 RDIMM/LRDIMM/LRDIMM 3DS (2DIMM per Channel)
<b>Expansion Slots</b>	1 x PCIe x 16 (Gen4 x16 Link, switch to x8 link when slot B occupied), FH/HL 1 x PCI E x 8 (Gen4 x8 Link), HH/HL 1 x PCI E x 8 (Gen3 x4 Link), Proprietary R/A slot (optional for Intel X710 10G LAN card)	1 x PCI-E x16 (Gen3x 8 link)(CPU1:Slot 6) 2 x PCI-E x8 (Gen3 x8 link)(CPU1:Slot 1-2) 1 x OCP Mezzanine (Gen3 x8 link)(CPU1:Mezz1)* * Support for MCB-10G-2S (Dual Port 10 Gigabit/s Ethernet card) (optional)	1x PCIe 3.0 x16 Slot (x16 link) FH, HL 1x PCIe 3.0 x8 Slot (x8 link) FL,HL 1 x OCP 2.0 Mezzanine ( x16 link)
<b>Disk Controller</b>	<b>SATA Controller:</b> Intel® C252 Chipset 6 x SATA3 6Gb/s ports Intel®VROC (For Linux/Windows) (Support Software RAID 0/1/5/10) <b>SAS Controller:</b> ASUS PIKE II 3008-8i 8 port SAS 12G RAID card (Optional) ASUS PIKE II 3108-8i 8 port SAS 12G HW RAID card (Optional)	<b>SATA Controller :</b> Intel® C612 9 x SATA3 6Gb/s ports (8 by 2 Mini-SAS Connector) 1 x M.2 connector Intel® Rapid Storage Technology Enterprise(RSTe) (For Windows Only) (Support Software RAID 0, 1, 5, 10 ) <b>SAS Controller :</b> ASUS PIKE II 3008 8-port SAS HBA card(Optional) ASUS PIKE II 3108 8-port SAS HW RAID card(Optional) 12G SAS Support	<b>SATA Controller:</b> Intel® C621 PCH 12 x SATA 6Gb/s ports (4 SATA connectors + 2 mini SAS HD Connector) 2 x M.2 connector (SATA 6Gb/s & PCI E Gen3 x4 link) <b>SAS Controller:</b> Optional kits: ASUS PIKE II 3108 - 8i 240PD 2G SAS HW RAID card 12G SAS Support
<b>Storage Bays</b>	4 x 3.5"/2.5" Hot Swap HDD Bays, up to (2*SATA/SAS/ NVMe + 2*SATA/SAS) *SAS support only from optional SAS HBA/RAID card *NVMe support only from optional NVMe upgrade kit	4 x 2.5" Hot-Swap HDD Bays 1x M.2 (Up to 2242. SATA & PCIe mode )	4 x 3.5" or 2.5" Hot-swap Storage Bays <b>RS4/ PS4:</b> SATA/SAS Supported <b>RS4-U:</b> SATA/SAS/ NVMe Supported
<b>Networking</b>	2 x Intel® I210-AT + 1 x Mgmt LAN	2 x Intel® I210AT + 1 x Mgmt LAN	1 x Dual Port Intel I350 AM2 Gigabit LAN Controller 1 x Management Port
<b>Graphic</b>	Aspeed AST2600 with 64MB VRAM	Aspeed AST2400 with 32MB VRAM	Aspeed AST2500 64MB
<b>Front I/O ports</b>	1 x VGA port 2 x USB 3.2 Gen1 ports	1 x VGA port 2 x USB 2.0 ports	2 x USB 3.0 ports 1 x VGA port
<b>Rear I/O ports</b>	2 x USB 3.2 Gen 2 ports 1 x VGA port 1 x HDMI port from CPU 1 x COM port 2 x RJ 45 ports 1 x RJ 45 ports (One for ASMB10 iKVM)(Optional)	2 x USB 3.1 Gen 1ports 1 x VGA port 1x PS/2 KB/Mouse port 2 x RJ 45 ports 1 x RJ 45Management ports	2 x USB 3.0 Ports 1 x VGA Port 2 x RJ-45 1GbE LAN Ports 1 x RJ-45 Management Port
<b>Dimension</b>	497mm x 439.5mm x 44mm (1U)	615mm x 444mm x 88mm (2U)	615 x 444 x 44mm (1U)
<b>Power Supply (following different configuration by region)</b>	1+1 Redundant 450W 80 PLUS PLATINUM RPSU	1+1 Redundant 770W 80 plus platinum power Supply	1+1 Redundant 450W Gold or 770W Platinum PSU





RS300-E10-PS4



RS300-E10-RS4



RS300-E11-PS4

Processor Support

1 x Socket P0 (LGA 1151)  
Intel® Xeon® E processors (up to 95W)  
Intel® Core™ i3 processors  
Intel® Pentium™ processors  
Intel® Celeron™ processors

1 x Socket P0 (LGA 1151)  
Intel® Xeon® E processors (up to 95W)  
Intel® Core™ i3 processors  
Intel® Pentium™ processors  
Intel® Celeron™ processors

1 x Socket LGA 1200  
Intel® Xeon® E processors (up to 95W)  
Intel® Pentium™ processors

Core Logic

Intel® C242 PCH

Intel® C242 PCH

Intel® C252 PCH

Memory

**Total Slots:** 4 (2 channel per CPU)  
**Capacity:** Maximum up to 128GB  
**Memory Type:** DDR4 2666/2400 ECC and non-ECC UDIMM

**Total Slots:** 4 (2 channel per CPU)  
**Capacity:** Maximum up to 128GB  
**Memory Type:** DDR4 2666/2400 ECC and non-ECC UDIMM

**Total Slots:** 4 (2 channel)  
**Capacity:** Maximum up to 128GB  
**Memory Type:** DDR4 3200/2933/2666 ECC and non-ECC UDIMM

Expansion Slots

1 x PCI-E x16 (Gen3 x8 link)  
1 x PCI-E x8 (Gen3 x8 link)

1 x PCI-E x16 (Gen3 x8 link)  
1 x PCI-E x8 (Gen3 x8 link)

1 x PCI-E x16 (Gen4 x16 Link, switch to x8 link when slot B occupied), FH/HL  
1 x PCI E x8 (Gen4 x8 Link), HH/HL  
1 x PCI E x8 (Gen3 x4 Link), Proprietary R/A slot (optional for Intel X710 10G LAN card)

Disk Controller

**SATA Controller:**  
Intel® C242  
6 x SATA 6Gb/s ports (4 by miniSAS HD)  
2 x M.2 connector(NGFF 2242, PCI E Gen3 x 2 link or SATA signal, gray SATA port will disable when M.2 is SATA signal)  
Intel® RSTe (Support software RAID 0, 1, 5 & 10)  
**SAS Controller:**  
Optional kits:  
ASUS PIKE II 3108-8 port SAS HBA card  
ASUS PIKE II 3108-8 port SAS HW RAID card  
12G SAS Support

**SATA Controller:**  
Intel® C242  
6 x SATA 6Gb/s ports (4 by miniSAS HD)  
2 x M.2 connector(NGFF 2242, PCI E Gen3 x 2 link or SATA signal, gray SATA port will disable when M.2 is SATA signal)  
Intel® RSTe (Support software RAID 0, 1, 5 & 10)  
**SAS Controller:**  
Optional kits:  
ASUS PIKE II 3108-8 port SAS HBA card  
ASUS PIKE II 3108-8 port SAS HW RAID card  
12G SAS Support

**SATA Controller:**  
Intel® C252  
6 x SATA3 6Gb/s ports  
Intel® VROC (For Linux/Windows) (Support Software RAID 0/1/5/10)  
**SAS Controller:**  
ASUS PIKE II 3108-8i 8 port SAS 12GRAID card (Optional)  
ASUS PIKE II 3108-8i 8 port SAS 12G HWRAID card (Optional)

Storage Bays

4 x 3.5" HotSwap HDD Bays  
2 x 2.5" Internal SSD Bays (Optional)  
2 x M.2 (NGFF 22110/2280/2260/2242)

4 x 3.5" HotSwap HDD Bays  
2 x 2.5" Internal SSD Bays (Optional)  
2 x M.2 (NGFF 22110/2280/2260/2242)

4 x 3.5"/2.5" Hot-Swap HDD Bays, up to (2 SATA/SAS/NVMe + 2 SATA/SAS)

Networking

1 x Quad Port Intel I210 Gigabit LAN Controller  
1 x Management Port

1 x Quad Port Intel I210 Gigabit LAN Controller  
1 x Management Port

2 x Intel® I210-AT + 1 x Mgmt LAN

Graphic

Aspeed AST2500 64MB

Aspeed AST2500 64MB

Aspeed AST2600 with 64MB VRAM

Front I/O ports

2 x USB 3.0 ports  
1 x VGA port

2 x USB 3.0 ports  
1 x VGA port

2 x USB 3.2 Gen1 ports  
1 x VGA port

Rear I/O ports

2 x USB 3.0 ports,  
2 x USB 3.1 ports  
1 x COM port (RS300 E10 PS4 only)  
4 x RJ-45 GbELAN ports  
1 x RJ-45 Mgmt LAN port

2 x USB 3.0 ports,  
2 x USB 3.1 ports  
4 x RJ-45 GbELAN ports  
1 x RJ-45 Mgmt LAN port

2 x USB 3.2 Gen 2 ports  
1 x VGA port  
1 x HDMI port from CPU  
1 x COM port  
2 x RJ - 45 ports  
1 x RJ - 45 ports (One for ASMB10 iKVM) (Optional)

Dimension

615mm x 444mm x 44mm (1U)

615mm x 444mm x 44mm (1U)

497mm x 439.5mm x 44mm(1U)

Power Supply

(following different configuration by region)

1+1 Redundant  
450W 80 PLUS Gold Power Supply

1+1 Redundant  
450W 80 PLUS Gold Power Supply

350W 80 PLUS Single Power Supply





RS300-E9-PS4



RS300-E9-RS4



RS100-E10-PI2

**Processor Support**

1 x Socket LGA1151  
Intel® Xeon® processor E3-1200 v6 product family  
Intel® Xeon® processor E3-1200 v5 product family  
Intel® Core™ i3 processors

1 x Socket LGA1151  
Intel® Xeon® processor E3-1200 v6 product family  
Intel® Xeon® processor E3-1200 v5 product family  
Intel® Core™ i3 processors

1 x Socket P0 (LGA 1151)  
Intel® Xeon® E processors (up to 95W)  
Intel® Core™ i3 processors  
Intel® Pentium™ processors  
Intel® Celeron™ processors

**Core Logic**

Intel® C232 Chipset

Intel® C232 Chipset

Intel® C242 PCH

**Memory**

**Total Slots:** 4 (2 channel)  
**Capacity:** Maximum up to 64GB (UDIMM)  
**Memory Type:** DDR4 2400/2133  
ECC/non-ECC UDIMM

**Total Slots:** 4 (2 channel)  
**Capacity:** Maximum up to 64GB (UDIMM)  
**Memory Type:** DDR4 2400/2133  
ECC/non-ECC UDIMM

**Total Slots:** 4 (2-channel per CPU)  
**Capacity:** Maximum up to 128GB  
**Memory Type:** DDR4 2666/2400 ECC and  
non-ECC UDIMM

**Expansion Slots**

1 x PCI-E x16 (x8 Gen3 Link)  
1 x PCI-E x8 (x8 Gen3 Link)  
support LP GPU cards such as P400

1 x PCI-E x16 (x8 Gen3 Link)  
1 x PCI-E x8 (x8 Gen3 Link)  
support LP GPU cards such as P400

1 x PCI-E x16 (Gen3 x16 link)

**Disk Controller**

**SATA Controller:**  
Intel® C232  
6 x SATA3 6Gb/s ports \*1  
2 x M.2 connector (2280/2260/2242)  
\*2 Intel® Rapid Storage Technology Enterprise(RSTe)  
(For Linux/Windows)  
(Support Software RAID 0, 1, 5, 10)  
**SAS Controller:**  
Optional kits:  
ASUS PIKE II 3108-8i 8 port SAS 12G  
RAID card(Optional)  
ASUS PIKE II 3108-8i 8 port SAS 12G HW RAID  
card(Optional)

**SATA Controller :**  
Intel® C232  
6 x SATA3 6Gb/s ports \*1  
2 x M.2 connector (2280/2260/2242)  
\*2 Intel® Rapid Storage Technology Enterprise(RSTe)  
(For Linux/Windows)  
(Support Software RAID 0, 1, 5, 10)  
**SAS Controller:**  
Optional kits:  
ASUS PIKE II 3108-8i 8 port SAS 12G  
RAIDcard(Optional)  
ASUS PIKE II 3108-8i 8 port SAS 12G HW RAID  
card(Optional)

**SATA Controller:**  
Intel® C242  
6 x SATA 6Gb/s ports  
2 x M.2 connector(NGFF 2242, PCI-E Gen3 x2 link  
or SATA signal, gray SATA port will disable when  
M.2 is SATA signal)  
Intel® RSTe (Support software RAID 0, 1, 5 & 10)  
**SAS Controller:**  
Optional kits:  
ASUS PIKE II 3108-8 port SAS HBA card  
ASUS PIKE II 3108-8 port SAS HW RAID card  
12G SAS Support

**Storage Bays**

4 x 3.5" Hot-Swap HDD Bays  
2 x 2.5" Internal SSD Bays (Optional)  
2 x M.2 (NGFF 2280/2260/2242)

4 x 3.5" Hot-Swap HDD Bays  
2 x 2.5" Internal SSD Bays (Optional)  
2 x M.2 (NGFF 2280/2260/2242)

2 x 3.5" Internal HDD Bays  
(Optional 1 x 3.5" HDD + 2 x 2.5" SSD)  
2 x M.2 (NGFF 22110/2280/2260/2242)

**Networking**

4 x Intel® I210AT + 1 x Mgmt LAN

4 x Intel® I210AT + 1 x Mgmt LAN

1 x Quad Port Intel I210 Gigabit LAN Controller  
1 x Management Port

**Graphic**

Aspeed AST2400 32MB

Aspeed AST2400 32MB

Aspeed AST2500 64MB

**Front I/O ports**

2 x USB 3.0 ports  
1 x VGA port

2 x USB 3.0 ports  
1 x VGA port

2 x USB 3.0 ports  
2 x USB 3.1 ports  
1 x VGA port  
4 x RJ-45 GbE LAN ports,  
1 x RJ-45 Mgmt LAN port

**Rear I/O ports**

4 x RJ-45 ports, 2 x USB 3.0 ports  
2 x USB 2.0 ports, 1 x VGA port  
1 x PS/2 keyboard/mouse combo port  
1 x RJ-45 ports (One for ASMB8-iKVM)(Optional)

4 x RJ-45 ports, 2 x USB 3.0 ports  
2 x USB 2.0 ports, 1 x VGA port  
1 x PS/2 keyboard/mouse combo port  
1 x RJ-45 ports (One for ASMB8-iKVM)(Optional)

2 x USB 3.2 Gen 2 ports  
1 x VGA port  
1 x HDMI port from CPU  
1 x COM port  
2 x RJ 45 ports  
1 x RJ 45 ports (One for ASMB10 iKVM)  
(Optional)

**Dimension**

615mm x 444mm x 44mm (1U)

615mm x 444mm x 44mm (1U)

380mm x 430mm x 44mm (1U)

**Power Supply**

(following different configuration by region)

400W 80 PLUS Single Bronze Power Supply

1+1 Redundant  
450W 80 PLUS Gold Power Supply

250W 80 PLUS Single Bronze Power Supply  
350W 80 PLUS Single Gold Power Supply





ESC4000-E10



ESC4000-E11



ESC8000-E11

<b>Processor Support</b>	2 x Socket P+ (LGA 4189) 3rd Gen Intel® Xeon® Scalable Processors Family(205W)	2 x Socket 4th Gen Intel® Xeon® Scalable processors (350W) 5th Gen Intel® Xeon® Scalable processors (350W)	2 x Socket 4th Intel® Xeon® Processor Scalable Family 5th Intel® Xeon® Processor Scalable Family
<b>Memory</b>	<b>Total Slots:</b> 16 (8-channel, 1DPC) <b>Capacity:</b> Up to 4,096GB DIMM Up to 6,144GB DIMM+PMem (200 series) <b>Memory Type:</b> DDR4 3200 RDIMM / LRDIMM / LRDIMM 3DS <b>Memory Size:</b> 256GB, 128GB, 64GB, 32GB, 16GB 512GB, 256GB, 128GB Intel® Optane™ DC Persistent Memory 200 Series (DCPMM)	<b>Total Slots:</b> 16 (8-channel, 1DPC) <b>Capacity:</b> Up to 4,096GB DIMM Up to 6,144GB DIMM+PMem (200 series) <b>Memory Type:</b> DDR4 3200 RDIMM/LRDIMM /LRDIMM 3DS <b>Memory Size:</b> 256GB, 128GB, 64GB, 32GB, 16GB 512GB, 256GB, 128GB Intel® Optane™ DC Persistent Memory 200 Series (DCPMM)	<b>Total Slots:</b> 32 (8 channel per CPU, 16 DIMM per CPU) <b>Capacity:</b> Maximum up to 4TB per CPU socket <b>Memory Type:</b> 4th: DDR5 4400 RDIMM/ 3DS RDIMM (2DPC) 5th: DDR5 4400 RDIMM/ 3DS RDIMM (2DPC) <b>Memory Size:</b> 64GB, 32GB, 16GB RDIMM 256GB, 128GB RDIMM 3DS
<b>Expansion Slots</b>	<b>Rear:</b> - 4 x PCIe x16 slots (Gen4 x16 link, FH,FL) for dual-slot GPU cards or - 8 x PCIe x16 slots (Gen4 x8 link, FH,FL) for single-slot GPU cards* - 2 x PCIe x16 slots (Gen4 x16 link, LP,HL) <b>Front:</b> - <b>SKU-1:</b> 1 x PCIe x8 slot (Gen4 x8 link, LP,HL) 4 x M.2 sockets (Gen4 x4 link, up to 22110 module) - <b>SKU-2:</b> 1 x PCIe x8 slot (Gen4 x8 link, LP,HL) 1 x OCP3.0 slot (Gen4 x16 link) - <b>SKU-3:</b> 8 x 3.5" NVMe support	<b>Rear:</b> - 4 x PCIe x16 slots (Gen5 x16 link, FH, FL) for dual-slot GPU cards or - 8 x PCIe x16 slots (Gen5 x8 link, FH,FL) for single-slot GPU cards - 2 x PCIe x16 slots (Gen5 x16 link, FH, HL) <b>Front:</b> 1 x PCIe x8 slot (Gen4 x8 link, LP, HL)	8 x PCIe slots (Gen5 x16 link, FH,FL) for dual-slot GPU cards <b>SKU-1 (3PCIe)</b> <b>Front:</b> 1 x PCIe slot (Gen5 x8 link ,LP,HL) for HBA/RAID cards <b>Rear:</b> 1 x PCIe slot (Gen5 x16 link) for NIC 1 x PCIe slot (Gen5 x8 link) for NIC <b>SKU-2 (2PCIe + 2NVMe)</b> <b>Front:</b> 1 x PCIe slot (Gen5 x8 link ,LP,HL) for HBA/RAID cards <b>Rear:</b> 1 x PCIe slot (Gen5 x16 link) for NIC <b>SKU-3 (1PCIe + 1OCP3.0 + 2NVMe)</b> <b>Front:</b> 1 x PCIe slot (Gen5 x8 link ,LP,HL) for HBA/RAID cards <b>Rear:</b> 1 x OCP3.0 NIC socket (Gen5 x16 link)
<b>Storage Bays</b>	<b>Storage Controller :</b> Intel® PCH C621A <b>Optional kits Controller :</b> ASUS PIKE II 3008-8i 8-port SAS 12G HBA card ASUS PIKE II 3108-8i 8-port SAS 12G RAID card	<b>Optional Kits:</b> -Broadcom MegaRAID 9560-16i -Broadcom MegaRAID 9540-8i -ASUS PIKE II 3008 8-port HBA Card -ASUS PIKE II 3108 8-port HW RAID Card	<b>Optional Kits:</b> -Broadcom MegaRAID 9560-16i -Broadcom MegaRAID 9540-8i -ASUS PIKE II 3008 8-port HBA Card -ASUS PIKE II 3108 8-port HW RAID Card
<b>Drive Bays</b>	8 x 3.5" Hot-swap Storage Bays (SKU-1 & SKU-2 Backplane Supports 6 x SATA/SAS + 2 x SATA/SAS/NVMe Devices) (SKU-3 Backplane Supports 8 x SATA/SAS/NVMe Devices) 1 x M.2 socket (Gen3 x4 link or SATA mode, up to 2280 on-motherboard)	2 x 2.5" & 4 x 3.5" Hot-swap Storage Bays SKU1: 2 x 2.5" SATA/SAS*/NVMe + 2 x 3.5" SATA/SAS/NVMe + 2 x 3.5" SATA/SAS* SKU2: Build to order 2 x 2.5" SATA/SAS/NVMe + 4 x 3.5" SATA/SAS/NVMe (Occupy 1 x PCIe x8 link) 1 x M.2 socket (Gen3 x4 link PCIe mode, up to 2280)	8 x 3.5"/2.5" Front Hot-swap Storage Bays (Backplane supports up to 8 x NVMe/ SATA/SAS) 1 x M.2 Socket, supports up to 22110 type (PCIe Gen3 x4 link)
<b>Networking</b>	2 x 1GbE LAN ports (RJ45, Intel I350-AM2)	2 x 1 Gigabit LAN ports (Intel I350 Controller) 1 x Management Port	2 x 10GbE LAN ports (RJ45, X710-AT2) or 2 x Gigabit LAN ports (RJ45, I350-AM2) 1 x Management Port
<b>Multi-GPU Support</b>	latest GPU support from ASUS Servers	latest GPU support from ASUS Servers	latest GPU support from ASUS Servers
<b>Front I/O ports</b>	4 x USB 3.2 Gen1 ports	4 x USB 3.2 Gen1 ports	2 x USB 3.2 Gen1 ports 1 x VGA port
<b>Rear I/O ports</b>	2 x USB 3.2 Gen1 ports 1 x VGA port 2 x 1GbE LAN ports (RJ45) 1 x Management port (RJ45)	2 x USB 3.2 Gen1 ports 2 x Gigabit LAN ports (RJ45) 1 x Management port (RJ45) 1 x VGA port	1 x COM port 2 x 10GbE/1GbE LAN ports (RJ45, build for order) 1 x Management port (RJ45)
<b>Regulatory Compliance</b>	BSMI, CB, CE, RCM, FCC(Class A)	BSMI, CE, RCM, FCC(Class A)	BSMI, CB, CE, FCC(Class A), RCM
<b>Dimension</b>	800 x 440 x 88.9mm	800mm x 439.5mm x 88.9mm (2U)	800mm x 440mm x 88.9mm (2U)
<b>Power Supply</b>	1+1 Redundant 1600W 80 PLUS Platinum Power Supply C-14 power inlet <b>Rating:</b> 100-127Vac/200-240Vac,12.9A/9.5A,50-60Hz 1+1 Redundant 2200W 80 PLUS TITANIUM Power Supply C-20 power inlet <b>Rating:</b> 100-127Vac/200-240Vac,14A/12.6A,47-63Hz	1+1 Redundant 2600W 80 PLUS Titanium CRPS-R Power Supply	2+2 Redundant 2600W/3000W 80 PLUS Titanium 2+1 Redundant 3000W 80 PLUS Titanium <b>Rating:</b> 220-240 Vac, 15.5A(x4), 50-60 Hz





	TS300-E10-PS4	TS700-E9-RS8	RS200-E9-PS2
<b>Processor Support</b>	<ul style="list-style-type: none"> <li>1 x Socket LGA1151</li> <li>Intel® Xeon® processor E2100/E 2200 product family</li> <li>Intel® 8th/9th Generation Core™ i3 processors</li> <li>Intel® Pentium™ processors</li> <li>Intel® Celeron™ processors</li> </ul>	<ul style="list-style-type: none"> <li>2 x Socket P (LGA 3647)</li> <li>1st and 2nd Generation Intel® Xeon® Scalable Processors Family (205W)</li> </ul>	<ul style="list-style-type: none"> <li>1 x Socket LGA1151</li> <li>Intel® Xeon® processor E3-1200 v6 product family</li> <li>Intel® Xeon® processor E3-1200 v5 product family</li> <li>Intel® Core™ i3 processors</li> <li>Intel® Pentium™ processors</li> <li>Intel® Celeron™ processors</li> </ul>
<b>Core Logic</b>	Intel® C246 PCH	Intel® Lewisburg PCH C621	Intel® C232 Chipset
<b>Memory</b>	<ul style="list-style-type: none"> <li><b>Total Slots:</b> 12 (6-channel per CPU, 6 DIMM per CPU)</li> <li><b>Capacity:</b> Maximum up to 128GB (UDIMM)</li> <li><b>Memory Type:</b> DDR4-2666 ECC/non ECC UDIMM</li> </ul>	<ul style="list-style-type: none"> <li><b>Total Slots:</b> 12 (6-channel per CPU, 6 DIMM per CPU)</li> <li><b>Capacity:</b> Maximum up to 768GB RDIMM/Maximum up to 768GB LRDIMM/Maximum up to 1536GB LR-DIMM 3DS</li> <li><b>Memory Type:</b> DDR4 2933/ 2666/2400 /2133 RDIMM, DDR4 2666/ 2400 / 2133 LRDIMM, DDR4 2666 2400 / 2133</li> </ul>	<ul style="list-style-type: none"> <li><b>Total Slots:</b> 4 (2-channel)</li> <li><b>Capacity:</b> Maximum up to 64GB UDIMM</li> <li><b>Memory Type:</b> DDR4 2400 /2133 UDIMM non ECC and with ECC</li> </ul>
<b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>1 x PCIe 3.0 x 16 slots (@x16/8 link)</li> <li>1 x PCIe 3.0 x 8 slots (@ x8 link)</li> <li>1 x PCIe 3.0 x 8 slot (@x4 link)</li> <li>1 x PCI slot</li> <li>1 x MIO slot for Audio Card</li> </ul>	<ul style="list-style-type: none"> <li>2 x PCIe 3.0 x16 slots (Gen3 x16 link), FH, FL</li> <li>2 x PCIe 3.0 x16 slots (single Gen3 x16 link, dual Gen3 x8/x8 link), FH, FL</li> <li>2 x PCIe 3.0 x16 slots (Gen3 x8 link), FH, FL</li> <li>1 x PCIe 3.0 x16 slot (Gen3 x16 link), FH, HL</li> </ul>	<ul style="list-style-type: none"> <li>1 x PCI-E x16 (x8 Gen3 Link)</li> <li>1 x PCI-E x8 (x8 Gen3 Link)</li> </ul>
<b>Disk Controller</b>	<p><b>SATA Controller:</b> Intel® C246: 8 SATA 6Gb/s port Intel® RSTe (for Windows Only) (Support software RAID 0, 1, 5, 10)</p> <p><b>SAS Controller:</b> Optional kits: ASUS PIKE II 3008-8i 8 port SAS 12Gb/s HBA card ASUS PIKE II 3108-8i/16PD/1G 8 port SAS 12Gb/s HW RAID card ASUS PIKE II 3108-8i/16PD/2G 8 port SAS 12Gb/s HW RAID card</p>	<p><b>SATA Controller:</b> Intel® C621 8 x SATA3 6Gb/s ports Intel® Rapid Storage Technology Enterprise(RSTe) (For Windows Only) (Support Software RAID 0, 1, 5, 10 ) ASMedia® SATA 6Gb/s controller 2 x SATA3 6Gb/s ports</p> <p><b>SAS Controller:</b> ASUS PIKE II 3008 8-port SAS HBA card, ASUS PIKE II 3108 8-port SAS HW RAID card 12G SAS Support</p>	<p><b>SATA Controller:</b> Intel® C232 6 x SATA3 6Gb/s ports 2 x M.2 connector (2280/2260/2242) Intel® Rapid Storage Technology Enterprise(RSTe) (For Linux/Windows) (Support Software RAID 0, 1, 5, 10 )</p> <p><b>SAS Controller:</b> Optional kits: ASUS PIKE II 3008-8i 8 port SAS 12GRAID card(Optional) ASUS PIKE II 3108-8i 8 port SAS 12G HWRAID card(Optional)</p>
<b>Storage Bays</b>	<ul style="list-style-type: none"> <li>4 x Hot swap 3.5" HDD Bays</li> <li>2 x M.2 (NGFF 22110/2280/2260/2242)</li> <li>1 x M.2 Socket 3, with M key, (SATA &amp; PCIE 3.0 x 1 mode)</li> <li>1 x M.2 Socket 3, with M key, (SATA &amp; PCIE 3.0 x 4 mode)</li> </ul>	<ul style="list-style-type: none"> <li>8 x 3.5" Hot-swap Storage Bays</li> <li>1 x M.2 Socket 3 supporting type:22110/2280/2260/2242 (PCIe Gen3 x4 and SATA mode)</li> </ul>	<ul style="list-style-type: none"> <li>2 x Hot-swap 2.5" SSD Bays</li> <li>2 x 2.5" Internal SSD Bays</li> <li>2 x M.2 (NGFF 2280/2260/2242)</li> </ul>
<b>Networking</b>	<ul style="list-style-type: none"> <li>4 x 1GbE LAN (Intel® I210)</li> <li>1 x Mgmt LAN</li> </ul>	<ul style="list-style-type: none"> <li>2 x Intel® I210AT</li> </ul>	<ul style="list-style-type: none"> <li>4 x Intel® I210AT</li> <li>1 x Mgmt LAN</li> </ul>
<b>Graphic</b>	Aspeed AST2500 64MB	Aspeed AST2500 with 64MB VRAM	Aspeed AST2400 with 32MB VRAM
<b>Front I/O ports</b>	<ul style="list-style-type: none"> <li>2 x USB 3.1 Gen1 ports</li> <li>2 x USB 2.0 ports</li> <li>1 x Audio out port (with optional MIO card)</li> <li>1 x MIC in port (with optional MIO card)</li> </ul>	<ul style="list-style-type: none"> <li>1 x Headphone port</li> <li>1 x Microphone port</li> <li>2 x USB 2.0 ports</li> <li>2 x USB 3.1 Gen 1 ports</li> </ul>	<ul style="list-style-type: none"> <li>Optional External serial port</li> </ul>
<b>Rear I/O ports</b>	<ul style="list-style-type: none"> <li>5 x RJ-45 ports (One for ASMB9 iKVM)</li> <li>2 x USB 3.1 Gen2 port</li> <li>2 x USB 3.1 Gen1 ports</li> <li>1 x Internal A Type USB Port</li> <li>1 x VGA port</li> <li>1 x COM port</li> </ul>	<ul style="list-style-type: none"> <li>2 x USB 3.1 Gen2 ports (1 x Type-A and 1 x Type-C™)</li> <li>4 x USB 3.1 Gen1 ports</li> <li>2 x USB 2.0 ports (1 supports USB BIOS Flashback)</li> <li>1 x USB BIOS Flashback button, 1 x PS/2 KB port</li> <li>2 x RJ-45 LAN ports</li> <li>5 + 1 Audio Jacks</li> </ul>	<ul style="list-style-type: none"> <li>4 x RJ-45 ports</li> <li>2 x USB 3.0 ports</li> <li>2 x USB 2.0 ports</li> <li>1 x VGA port</li> <li>1 x PS/2 KB/MS port</li> <li>1 x RJ-45 ports (One for ASMB8-iKVM) (Optional)</li> </ul>
<b>Dimension</b>	455mm x 217.5mm x 545mm	455mm x 217.5mm x 545mm	383mm x 444mm x 44mm (1U)
<b>Power Supply (following different configuration by region)</b>	<ul style="list-style-type: none"> <li>500W 80PLUS Single Power Supply, Gold</li> <li>550W 80PLUS Single Power Supply Gold</li> </ul>	<ul style="list-style-type: none"> <li>800W 80 PLUS Platinum Redundant Power Supply Module</li> <li>1300W 80 PLUS Platinum Redundant Power Supply</li> </ul>	<ul style="list-style-type: none"> <li>250W 80 PLUS Single Power Supply</li> </ul>





Pro E500 G6



TS300-E9-PS4



TS100-E10-PI4

**Processor Support**

1 x Socket LGA 1200  
Intel® Xeon® W 1200 Family Processors (up to 125 W)  
Intel® 10 th Generation Core™ i9 /i7 /i5 /i3 processors

1x Socket LGA1151  
Intel® Xeon® Processor E3-1200 v5 product family (80W)

1 x Socket P0 (LGA 1151)  
Intel® Xeon® Processor E-21xx/E-22xx product family (up to 95W)  
Intel® 8th/9th Generation Core™ i3 processors  
Intel® Pentium™ processors  
Intel® Celeron™ processors

**Core Logic**

Intel® W480 Chipset

Intel® C236 Chipset

Intel® C242 PCH

**Memory**

4 x DIMM slots, Max 128 GB, DDR 4 2933/2666 MHz  
ECC/non ECC U DIM supported by each CPU

**Total Slots:** 4 (2 Channel)  
**Capacity:** Maximum up to 64GB (UDIMM)  
**Memory Type:** DDR4 2133 ECC/non ECC UDIMM

**Total Slots:** 4 (2-channel per CPU)  
**Capacity:** Maximum up to 128GB  
**Memory Type:** DDR4 2666/2400 ECC and non-ECC UDIMM

**Expansion Slots**

PCIEX 1 1 PCI E x 1 slot, x 1 Gen 3 Link, from PCH\* 1  
PCIEX 16 1 PCI E x 16 slot, x 16 x 8 Gen 3 Link, from CPU  
PCIEX 1 2 PCI E x 1 slot, x 1 Gen 3 Link, from PCH\* 1  
PCIEX 16 2 PCI E x 16 slot, x 0 /x 8 Gen 3 Link, switched from PCIEX 16 1 from CPU  
PCIEX 16 3 PCI E x 16 slot, x 4 Gen 3 Link, from PCH  
PCIEX 16 4 PCI E x 16 slot, x 4 Gen 3 Link, from PCH, shared with 4 SATA\* 2

1x PCI E x16 (Gen3 x16 link) + 1x PCI E x8 (Gen3 x4 link) + 1 x PCI + 1 x MIO  
Or 1x PCI E x16 (Gen3 x8 link) + 1x PCI E x8 (Gen3 x8 link) + 1x PCI E x8 (Gen3 x4 link) + 1 x PCI + 1 x MIO

1 x PCI-E x 16 (Gen3 x16 Link)  
1 x PCI-E x 8 (Gen3 x4 Link)  
2 x PCI

**Disk Controller**

**SATA Controller:**  
Intel® W 480 Chipset  
8 x SATA 3 6 Gb/s ports  
Intel® Rapid Storage Technology(RST) (For Windows) (Support Software RAID)

**SATA Controller:**  
Intel® C236  
8 x SATA 6Gb/s ports (4 by miniSAS HD) with 2 x M.2 (NGFF 2280/2260/2242, PCIe or SATA signal, gray SATA port will disable when M.2 is SATA signal)  
Intel® RSTe (For Liunx/Windows) (Support software RAID 0, 1, 5 & 10)  
**SAS Controller:**  
Optional kits:  
ASUS PIKE II 3008-8i 8 port SAS 12G RAID card  
ASUS PIKE II 3108-8i 8 port SAS 12G HW RAID card

**SATA Controller:**  
Intel® C242  
6 x SATA 6Gb/s ports with 2 x M.2 (NGFF 22110/2280/2260/2242, gray SATA port will disable when M.2 is SATA signal)\*  
Intel® RSTe (Windows & Linux) (Support software RAID 0, 1, 5 & 10)  
\*One supports both SATA 6Gb/s & PCI-E Gen3 x2 link, the other is SATA 6Gb/s only.  
**SAS Controller:**  
Optional kits:  
ASUS PIKE II 3008-8 port SAS HBA card12G SAS Support

**Storage Bays**

2 x internal 5.25" Drive bays  
3 x internal 3.5" Drive bays  
1 x Internal 2.5" Drive bay  
M2: 1 x M 2 1 socket 3 up to 2280 type (SATA mode PCIe Gen 3 x 4 link)  
1 x M 2 2 socket 3 up to 22110 type PCIe Gen 3 x 4 link

4 x Hot swap 3.5" HDD Bays  
Optional ( additional 4 x HDD bays)

3 x Internal 3.5"(or 2 x 2.5" optional cage) drive bays  
1 x Internal 2.5" drive bay  
1 x Optional internal 5.25" to 3.5"/2.5" drive cage

**Networking**

1 x Intel® i 225 LM 2 5 GbE LAN  
1 x Intel® i 219 LM Gigabit LAN

4 x Intel® I210AT + 1 x Mgmt LAN

1 x Intel® I210-AT Gigabit LAN +  
1 x Intel® I219 LM Gigabit LAN

**Graphic**

Supports 1 x double deck PCIe x 16 GPU card

Aspeed AST2400 32MB

Aspeed AST2510 64MB

**Front I/O ports**

2 x USB 3.2 Gen1  
2 x USB 2.0  
1 x Headphone port  
1 x Microphone port

2 x USB 3.0 ports , 2 x USB 2.0 ports  
1 x Audio out port (with optional MIO card)  
1 x MIC in port (with optional MIO card)  
1 x Power Botton, 1 x Reset Botton

2 x USB 3.0  
2 x USB 2.0  
Audio

**Rear I/O ports**

2 x USB 3 2 Gen 2 ports 1 port at Type A, 1 port at Type C)  
4 x USB 3 Gen 1 ports  
1 x HDMI  
1 x DisplayPort  
1 x DVI D  
1 x VGA  
2 x RJ 45 ports  
1 x 7 1 channel Audio I/O ports 5 1 Audio jacks)

4 x RJ-45 ports  
2 x USB 3.0 ports  
2 x USB 2.0 ports  
1 x VGA port  
1 x PS/2 keyboard/mouse port  
4 x RJ-45 ports (One for ASMB8 iKVM)(Optional)

1 x PS/2 Keyboard/ Mouse Port  
2 x USB 3.1  
2 x USB 3.0  
2 x USB 2.0  
1 x VGA Port (onboardAspeed AST2510)  
2 x LAN Ports  
3 x Audio Jacks

**Dimension**

423 mm x 190 mm x 435 mm

455mm x 217.5mm x 545mm

423mm x 190mm x 435mm

**Power Supply**

(following different configuration by region)

300 W 80 PLUS Bronze ATX Power Supply  
500 W 80 PLUS Gold ATX Power Supply  
700 W 80 PLUS Gold ATX Power Supply  
450/550/750 W Gold ATX Power Supply

500W 80 PLUS Single Bronze Power Supply

500W 80 PLUS Single Gold Power Supply  
300W 80 PLUS Single Bronze Power Supply  
450/550W 80 PLUS Single Gold Power Supply





ESC510 G4 SFF



E500 G5

Processor Support	<p>1 x Socket LGA1151</p> <p>Intel® Xeon® processor E3-1200 v6 product family</p> <p>Intel® Xeon® processor E3-1200 v5 product family</p> <p>Intel® Pentium™ processors</p> <p>Intel® Celeron™ processors</p> <p>Intel® Core™ i7/i5/i3 processors</p>	<p>1 x Socket LGA1151</p> <p>The 8th/9th generation Intel® Core™ i3/Pentium®/Celeron® Processor</p> <p>Intel® Core™ i9/i7/i5/i3 processors</p> <p>Intel® Xeon® E Processors</p> <p>E-2100/E-2200</p>
Core Logic	Intel® C236 Chipset	Intel® C246 Chipset
Memory	<p><b>Total Slots:</b> 4 (2-channel)</p> <p><b>Capacity:</b> Maximum up to 64GB UDIMM</p> <p><b>Memory Type:</b> DDR4 2400 /2133 UDIMM non ECC and with ECC</p> <p><b>Memory Size:</b> 16GB, 8GB UDIMM</p>	<p><b>Total Slots:</b> 4 (2-channel)</p> <p><b>Capacity:</b> Maximum up to 128GB UDIMM</p> <p><b>Memory Type:</b> Dual Channel DDR4 2666/2400 UDIMM non ECC and with ECC</p> <p><b>Memory Size:</b> 32GB, 16GB, 8GB UDIMM</p>
Expansion Slots	<p>PCIEX1_1: PCI-E x1 slot, x1 Gen3 Link, from PCH</p> <p>PCIEX16_1: PCI-E x16 slot, x16 Gen3 Link</p> <p>PCIEX8_1: PCI-E x8 slot, x4 Gen3 Link, from PCH</p>	<p>Total: 6</p> <p>PCIEX1/1: PCI-E x1 slot, x1 Gen3 Link, from PCH</p> <p>PCIEX16/1: PCI-E x16 slot, x16/ x8 Gen3 Link, from CPU</p> <p>PCIEX16/2: PCI-E x16 slot, x8 Gen3 Link, switched from PCIEX16_1, from CPU</p> <p>PCIEX1/2: PCI-E x1 slot, x1 Gen3 Link, from PCH</p> <p>PCIEX16/3: PCI-E x16 slot, x4 Gen3 Link, from PCH</p> <p>PCIEX16/4: PCI-E x16 slot, x4 Gen3 Link, from PCH, shared with 4 SATA</p>
Disk Controller	<p><b>SATA Controller:</b></p> <p>Intel® C236</p> <p>8 x SATA3 6Gb/s ports</p> <p>or 7 x SATA3 6Gb/s ports + 1 x M.2 connector *1</p> <p>Intel® Rapid Storage Technology Enterprise(RSTe) (For Linux/Windows)</p> <p>(Support Software RAID 0, 1, 5, 10)</p>	<p><b>SATA Controller:</b></p> <p>Intel® C246 Chipset</p> <p>8 x SATA3 6Gb/s ports</p> <p>Intel® Rapid Storage Technology(RST) (For Linux/Windows)</p> <p>(Support Software RAID 0, 1, 5, 10)</p> <p><b>SATA Controller:</b> 1 x M.2 connector (2242/2260/2280/22110) PCIe mode</p> <p>1 x M.2 connector (2280/2260/2242)</p>
Storage Bays	<p>2 x Internal 3.5" HDD Bays</p> <p>(Or switch to 2.5" SSD with cage by requests)</p>	<p>1x internal 2.5" drive bay</p> <p>3x internal 3.5" drive bay (or 3x internal 2.5" drive bay: optional cage required)</p> <p>2x internal 2.5"/3.5" drive bay (optional cage required)</p>
Networking	2 x Intel® I210AT	<p>1 x Intel® I210AT</p> <p>1 x i219-LM</p>
Graphic	Supports Intel® HD Graphics	Supports Intel® HD Graphics
Front I/O ports	<p>2 x USB 3.0</p> <p>2 x USB 2.0</p> <p>1 x Headphone port</p> <p>1 x Microphone port</p>	<p>2 x USB 3.2 Gen1</p> <p>2 x USB 2.0</p> <p>1 x Headphone port</p> <p>1 x Microphone port</p>
Rear I/O ports	<p>2 x USB 3.0 ports</p> <p>2 x USB 2.0 ports</p> <p>1 x Optical S/PDIF Out</p> <p>1 x HDMI</p> <p>1 x DisplayPort</p> <p>2 x RJ-45 port</p> <p>1 x DVI-D</p> <p>1 x 8-channel Audio I/O (6 x Audio jacks)</p> <p>1 x USB Flashback button</p>	<p>2 x USB 3.2 Gen2 ports (1 port at Type A, 1 port at Type C)</p> <p>4 x USB 3.2 Gen1 ports</p> <p>1 x HDMI</p> <p>1 x DisplayPort</p> <p>1 x DVI-D</p> <p>1 x VGA</p> <p>2 x RJ-45</p> <p>1 x 8-channel Audio I/O ports (5 + 1 Audio jacks)</p>
Dimension	410mm x 96mm x 330mm	423mm x 190mm x 435mm
Power Supply (following different configuration by region)	300W 80 PLUS Single Power Supply	<p>300W 80 PLUS Single Power Supply, Bronze</p> <p>500W 80 PLUS Single Power Supply, Gold</p> <p>700W 80 PLUS Single Power Supply, Gold</p>





ESC500 G4



ESC300 G4

Processor Support	<p>1 x Socket LGA1151                  Intel® Xeon® processor E3-1200 v6 product family                  Intel® Pentium™ processors                  Intel® Celeron™ processors                  Intel® Core™ i7/i5/i3 processors</p>	<p>1 x Socket LGA1151                  Intel® Xeon® processor E3-1200 v6 product family                  Intel® Xeon® processor E3-1200 v5 product family                  Intel® Pentium™ processors                  Intel® Celeron™ processors                  Intel® Core™ i7/i5/i3 processors</p>
Core Logic	Intel® C236 Chipset	Intel® C232 Chipset
Memory	<p><b>Total Slots:</b> 4 (2-channel)  <b>Capacity:</b> Maximum up to 64GB (UDIMM)  <b>Memory Type:</b> DDR4-2400/2133  <b>Memory Size:</b> 16GB, 8GB, 4GB, 2GB UDIMM</p>	<p><b>Total Slots:</b> 4 (2-channel per CPU)  <b>Capacity:</b> Maximum up to 64GB UDIMM  <b>Memory Type:</b> DDR4 2400 /2133 UDIMM non ECC and with ECC  <b>Memory Size:</b> 16GB, 8GB UDIMM</p>
Expansion Slots	<p>PCIEX16_1: PCIe x16 slot, x16/ x8 Gen3 Link                  PCIEX16_2: PCIe x16 slot, x8 Gen3 Link, switched from PCIeX16_1                  PCIEX16_3: PCIe x16 slot, x4 Gen3 Link, from PCH                  PCIEX16_4: PCIe x16 slot, x4 Gen3 Link, from PCH</p>	<p>PCIEX1_1: PCI-E x1 slot, x1 Gen3 Link                  PCIEX16_1: PCI-E x16 slot, x16 Gen3 Link                  PCI_1 slot                  PCI_2 slot                  PCIEX16_2: PCI-E x16 slot, x4 Gen3 Link                  PCIEX1_2: PCI-E x1 slot, x1 Gen3 Link                  PCI_3 slot</p>
Disk Controller	<p><b>SATA Controller:</b>                  Intel® C236                  8 x SATA3 6Gb/s ports                  Intel® Rapid Storage Technology Enterprise(RSTe) (For Linux/Windows)                  (Support Software RAID 0, 1, 5, 10)                  Intel® C236                  6 x SATA3 6Gb/s ports                  2 x M.2 connector                  Intel® Rapid Storage Technology Enterprise(RSTe) (For Linux/Windows)                  (Support Software RAID 0, 1, 5, 10)</p>	<p><b>SATA Controller:</b>                  Intel® C232                  6 x SATA3 6Gb/s ports + 1 x M.2 connector *1                  Intel® Rapid Storage Technology Enterprise(RSTe) (For Windows Only)                  (Support Software RAID 0, 1, 5, 10)</p>
Storage Bays	<p>3 x Internal 3.5" HDD Bays                  1 x Internal 2.5" HDD/SSD Bays</p>	<p>3 x Internal 3.5" HDD Bays                  1 x 2.5" HDD/SSD Bays</p>
Networking	2 x Intel® I210AT	1 x Realtek® RTL8111H, 1 x Gigabit LAN Controller(s)
Graphic	Supports Intel® HD Graphics	Supports Intel® HD Graphics
Front I/O ports	<p>2 x USB 3.2 Gen1                  2 x USB 2.0                  1 x Headphone port                  1 x Microphone port</p>	<p>2 x USB 3.0                  2 x USB 2.0 (Or optional switch to card reader)                  1 x Headphone port                  1 x Microphone port</p>
Rear I/O ports	<p>1 x DVI-D port*1                  1 x DisplayPort*1                  1 x HDMI*1                  1 x VGA port*1                  2 x LAN (RJ45) port(s)                  1 x USB 3.2 Gen2 Type-A                  1 x USB 3.2 Gen2 Type-C                  4 x USB 3.2 Gen1                  1 x Optical S/PDIF out                  1 x 8-channel Audio I/O</p>	<p>1 x PS/2 keyboard (purple)                  1 x PS/2 mouse (green)                  1 x LAN (RJ45) port                  4 x USB 3.0                  4 x USB 2.0                  3 x Audio jack(s)</p>
Dimension	423mm x 190mm x 435mm	423mm x 190mm x 435mm
Power Supply (following different configuration by region)	<p>300W 80 PLUS Single Power Supply, Bronze                  500W 80 PLUS Single Power Supply, Bronze                  700W 80 PLUS Single Power Supply, Gold</p>	<p>500W 80 PLUS Single Power Supply, Bronze                  300W 80 PLUS Single Power Supply, Bronze</p>





**PIKE II 3108-8i/16PD/2G**

Controller	Broadcom (LSI) SAS3108
Interface	PCIe 3.0 x8
Ports	8 internal ports by 2 Mini-SAS HD connectors
Supported Device	SAS/SATA Devices
Data Transfer Rate	Max SAS 12Gb/s Max SATA 6Gb/s
RAID Level Supported	0, 1, 5, 6, 10, 50, 60    Max. physical Disk qty for RAID: 16
JBOD Mode	Yes
Embedded Memory	2GB DDR3
Cache Protection	Optional LSI CacheVault 2G ASUS Ordering Part Number: 90SKC000-M13AN0
Board Form Factor	Low-profile Card
Dimension	6.6" x 2.71"



**PIKE II 3108-8i/240PD/2G**

Controller	Broadcom (LSI) SAS3108
Interface	PCIe 3.0 x8
Ports	8 internal ports by 2 Mini-SAS HD connectors
Supported Device	SAS/SATA Devices
Data Transfer Rate	Max SAS 12Gb/s Max SATA 6Gb/s
RAID Level Supported	0, 1, 5, 6, 10, 50, 60    Max. physical Disk qty for RAID: 240
JBOD Mode	Yes
Embedded Memory	2GB DDR3
Cache Protection	Optional LSI CacheVault 2G ASUS Ordering Part Number: 90SKC000-M13AN0
Board Form Factor	Low-profile Card
Dimension	6.6" x 2.71"



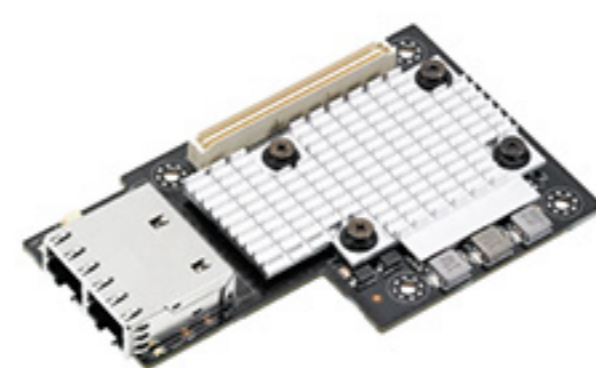
**MCI-1G/350-4T**

Controller	Intel® I350-AM4
Data Transfer Rate	Gigabit Ethernet
Connection Ports	Quad Port, 1000Base-T
Host Interface	PCIe 2.0 x4
Board Form Factor	OCP Mezzanine Card
Dimension	2.68" x 4.33"
Feature	SR-IOV PXE



**MCI-1G/350-2T**

Controller	Intel® I350-AM2
Data Transfer Rate	Gigabit Ethernet
Connection Ports	Dual Port, 1000Base-T
Host Interface	PCIe 2.0 x4
Board Form Factor	OCP Mezzanine Card
Dimension	2.68" x 4.33"
Feature	SR-IOV PXE



**MCI-10G/X550-2T**

Controller	Intel® X550-AT2
Data Transfer Rate	10 Gigabit/s Ethernet 10GBASE-T
Connection Port	RJ45 Copper, Dual Port
Host Interface	PCI-E Gen3 x4
Board Form Factor	OCP Mezzanine Card
Dimension	68 mm x 110 mm
Feature	SR-IOV FCoE Boot iSCSI Boot PXE



**MCI-10G/82599-2S**

Controller	Intel® 82599
Data Transfer Rate	10Gbps Ethernet
Connection Port	Dual Port, SFP+
Host Interface	PCIe 2.0 x8
Board Form Factor	OCP Mezzanine Card
Dimension	2.68 x 4.33 Inch
Feature	SR-IOV FCoE Boot iSCSI Boot PXE





**ASMP8-iKVM**



**ASMB9-iKVM**

<b>Chipset</b>	Aspeed 2400	Aspeed 2400
<b>Internal RAM</b>	224 MB for system 32 MB for video	384 MB for system 64 MB for video
<b>Internal ROM</b>	32 MB	32 MB
<b>Timers</b>	32-bit Watchdog Timer	32-bit Watchdog Timer
<b>Form Factor</b>	22 mm x 17 mm	22 mm x 17 mm
<b>Feature</b>	IPMI 2.0 KVM over IP Web-based UI WSMAN Management LAN Fail-Over Node Management Support IPv6 Simultaneous floppy, USB Key/hard disk, CD/ DVD redirection (multiple virtual media )	IPMI 2.0-compliant and supports KVM over LAN Web-based user interface (remote management) Virtual media Network Bonding support



**PEB-10G/57840-2T**



**PEI-10G/82599-2S**

<b>Controller</b>	BCM 57840S	Intel® 82599ES
<b>Data Transfer Rate</b>	10 Gigabit/s Ethernet 10GBASE-T	10Gbps Ethernet
<b>Connection Port</b>	RJ45 Copper, Dual Port	Dual Port, SFP+
<b>Host Interface</b>	PCI-E Gen3 x8	PCIe 2.0 x8
<b>Board Form Factor</b>	Lower Than Standard Low-profile	Low-profile Card
<b>Dimension</b>	4.72 x 1.77 Inch	4.72 x 1.77 Inch
<b>Feature</b>	SR-IOV FCoE Boot iSCSI Boot PXE	SR-IOV FCoE Boot iSCSI Boot PXE



**PEB-10G/57811-1S**

<b>Controller</b>	BCM 57811S
<b>Data Transfer Rate</b>	10Gbps Ethernet
<b>Connection Port</b>	Single Port, SFP+
<b>Host Interface</b>	PCIe 2.0 x8
<b>Board Form Factor</b>	Low-profile Card
<b>Dimension</b>	4.72 x 1.77 Inch
<b>Feature</b>	FCoE Boot iSCSI Boot PXE



تجربه ای نامحدود از توانایی مجموعه سرورهای ASUS با پردازنده‌های نسل پنجم Intel® Xeon®

intel.  
XEON  
PLATINUM



## تجهیز سرورهای ASUS به ابر محاسبه گر هوش مصنوعی

- تحول چشم انداز ابرمحاسباتی هوش مصنوعی یا یکپارچه سازی پردازنده های نسل پنجم Intel® Xeon®
- ارائه سرورها و Motherboard های بهینه شده متناسب با حجم کاری بالا
- ارتقاء مداوم زیرساخت ها، نرم افزار ها و سرویس های مبتنی بر ابر با تکنولوژی های هوش مصنوعی



قابلیت‌های نرم افزاری  
مبتنی بر هوش مصنوعی



دارای راهکار خنک  
کننده پیشرفته



با عملکرد فوق العاده



طیف گسترده ای از  
خدمات و تجهیزات



سرعت حافظه  
فوق العاده بالا



افزایش عملکرد



ارتقاء کارایی



استقرار سریع هوش  
مصنوعی



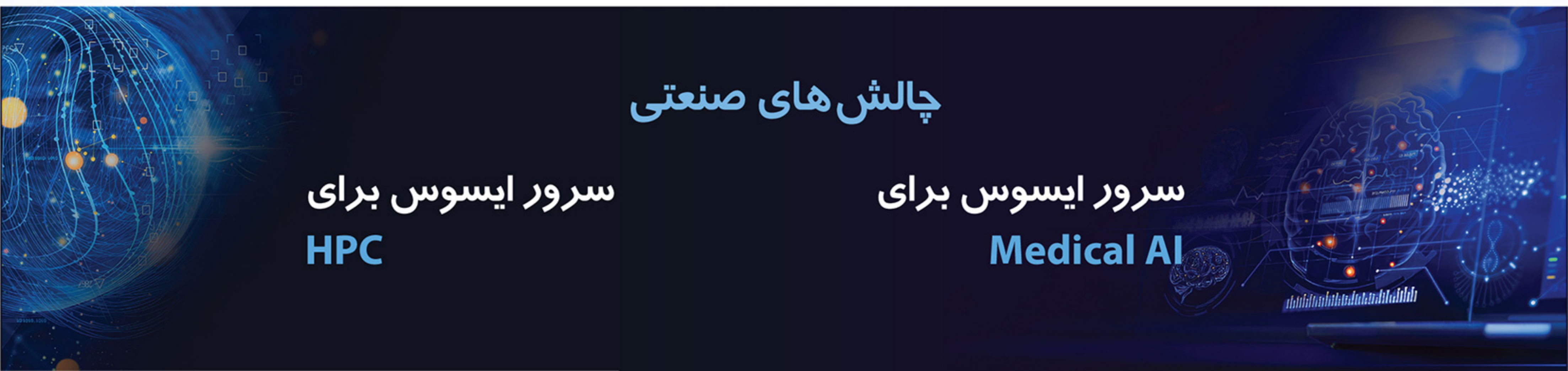
## معرفی پردازنده مقیاس پذیر نسل پنجم Intel® Xeon®

جدیدترین پردازنده‌های نسل پنجم Intel® Xeon® موجب افزایش ۲۱ درصدی عملکرد اکثر فرآیندها شده و مدل‌های استنتاج، آموزش و تنظیم دقیق هوش مصنوعی را با حداکثر ۲۰ میلیارد پارامتر بهبود می‌بخشند. این پردازنده‌ها با استفاده از سوکت سازگار LGA4677 و بدون نیاز به شتاب دهنده‌های مجزای اضافی، به این مهم دست می‌یابند. سرورهای ایسوس با پردازنده های نسل پنجم اینتل در قدرت محاسباتی و بهره‌وری انرژی حوزه‌های مختلف مانند تجزیه و تحلیل داده ها، مجازی سازی، HPC و AI بسیار پرکاربرد هستند.

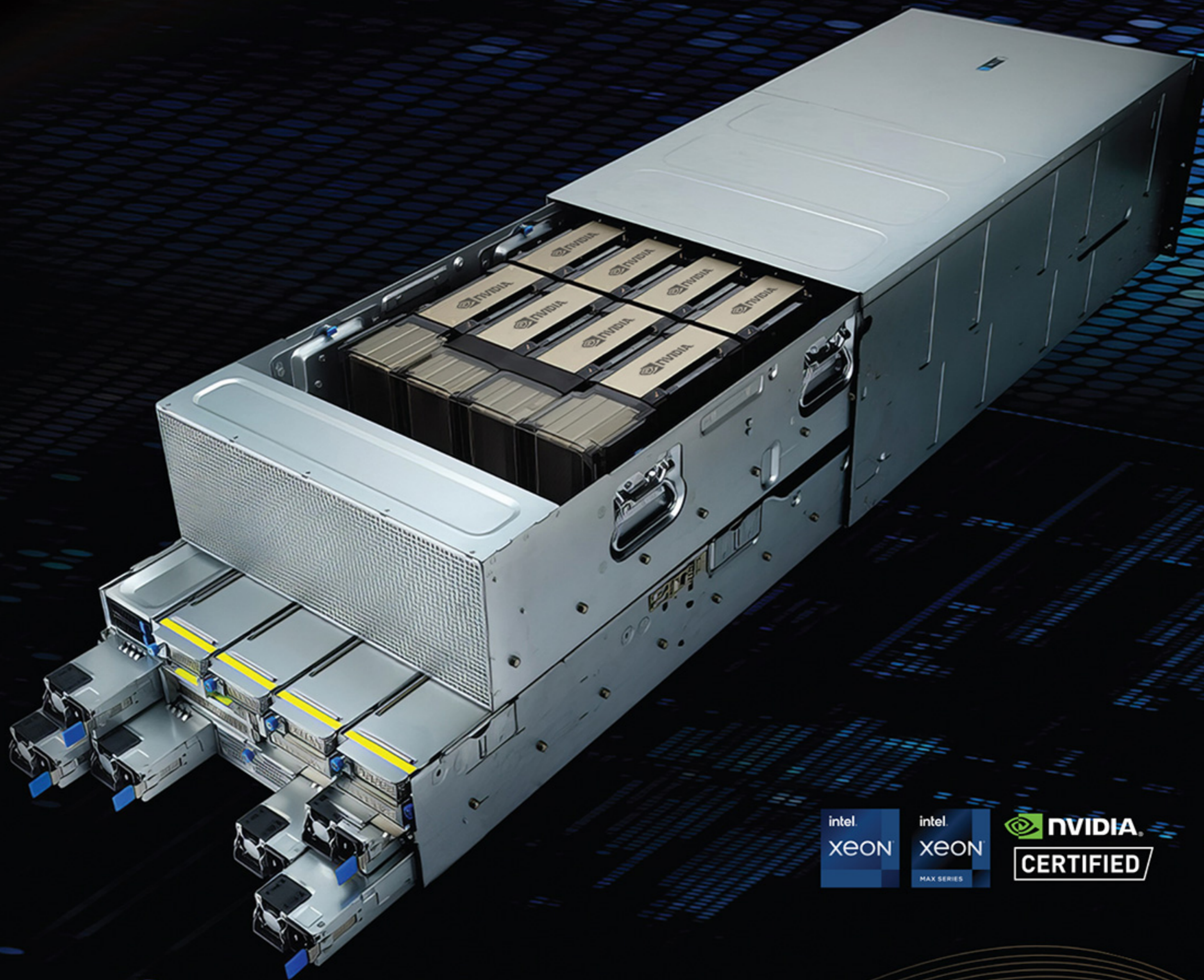
## چالش‌های صنعتی

سرور ایسوس برای  
HPC

سرور ایسوس برای  
Medical AI







# پلتفرم ابر رایانه ای هوش مصنوعی

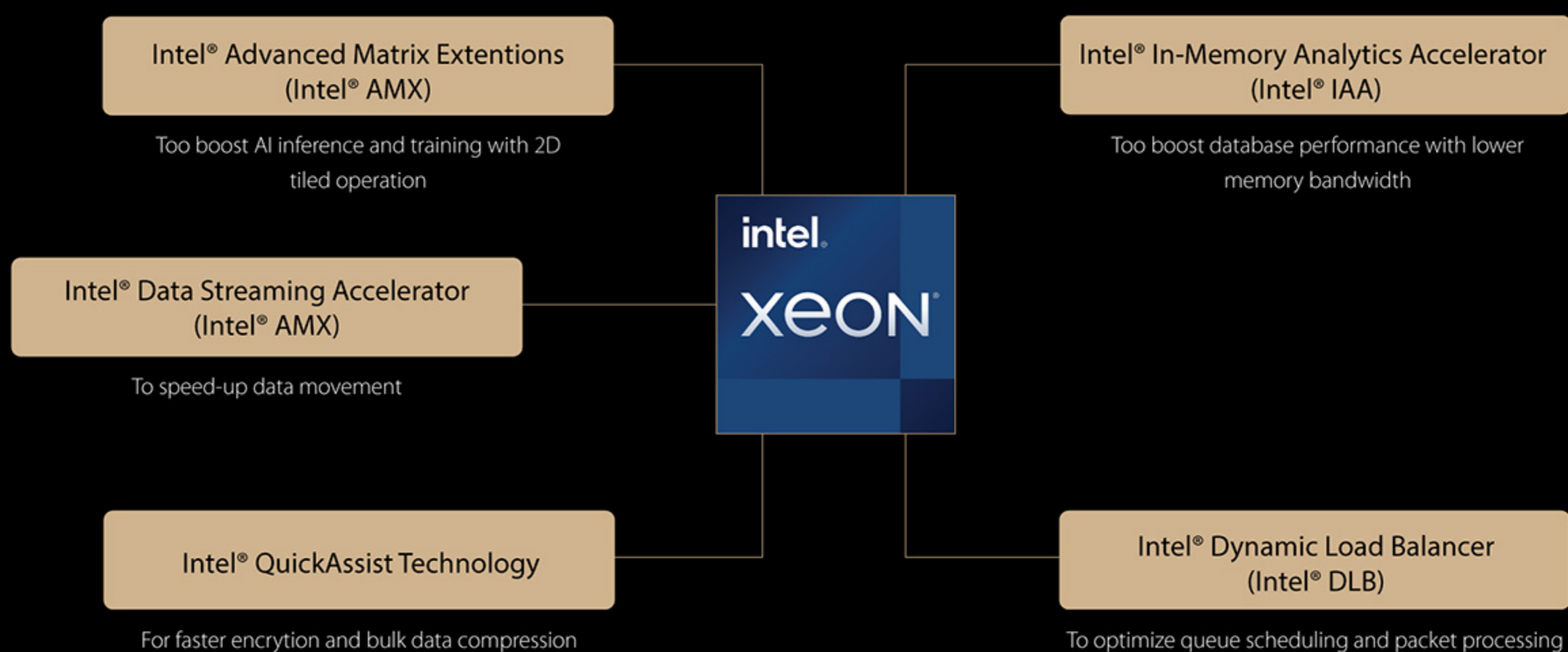
## NVIDIA HGX™ H100 8-GPU server

سرور ۷ یونیت ASUS ESC N8-E11 با دو سوکت از پردازنده‌های نسل پنجم Intel Xeon Scalable و هشت عدد GPU مدل NVIDIA H100 Tensor Core پشتیبانی نموده و برای سرعت بخشیدن به فرآیندهای هوش مصنوعی و علوم داده طراحی شده است. این سرور، با ارائه توپولوژی اختصاصی one-GPU-to-one-NIC، جهت رسیدن به بیشترین ظرفیت عملکردی در حجم کاری بالا از حداکثر ۸ کارت NIC پشتیبانی می‌نماید. سرور ASUS ESC N8-E11 با طراحی راهکارهای خنک کننده کارآمد، ساخت قطعات نوآورانه و بخش‌های جدید، هزینه‌های عملکردی را به طور چشمگیری کاهش داده و به کنترل مؤثر دمای داخل سرور و متعادل سازی آن کمک نموده و با مقیاس پذیری گسترده، عملکرد بی‌سابقه‌ای را ارائه می‌کند.

## Performance

### 5th Gen Intel® Xeon® Scalable Processors

#### Built-in Accelerators





# ASUS Control Center



## نرم افزار فراگیر مدیریتی برای زیرساخت های شبکه (ACC)

حفاظت بهینه از ساختار شبکه  
مدیریت ایمن تمامی نقاط در شبکه  
نگهداری خودکار از زیرساخت های شبکه



دفتر مرکزی: تهران، خیابان ولیعصر، خیابان زعفرانیه، خیابان اعجازی، ساختمان ۳۹.  
مرکز آموزش و خدمات پس از فروش: تهران، خیابان شهید بهشتی، خیابان سرافراز، کوچه سوم، ساختمان ۱۲.

تلفن: ۰۲۱ ۸ ۹۳ ۹۵ فکس: ۰۲۱ ۸ ۹۳ ۹۵ (داخلی ۰) ایمیل: info@pars-e.com

@pars.ertebatchannel پارس ارتباط

www.pars-e.com



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