

Advantech Carrier Grade Servers



The next industrial revolution brings IIoT (Industrial IoT) and AIIoT (Artificial Intelligence of Things) create an autonomous network allowing intelligent sensors and machines to collaborate to improve services and productivity without the need of human intervention. Advantech's SKY-8000 carrier grade servers are designed for industrial telco edge to deliver high availability, zero downtime, and low latency network performance for indoor and outdoor deployments, such as 5G New Radio private network solutions for operators and enterprises.



1U to 2U



Redundant power supply



Longevity



Wide operating temp support up to 70°C



Hot-swappable and redundant cooling fan



Revision control



Replaceable air filter



Redundant BIOS & BMC design



Low MOQ customization



Toolless design



NEBS compliance



High-density

Product Portfolio



SKY- 8211

2U 17" depth Edge router with -20°C to 70°C operating temp



SKY- 8201

2U high performance server with up to 8 PCIe slots



SKY-8101

1U single Xeon® Scalable CPU carrier grade server with up to 4 PCIe slots



SKY- 8100

1U single Xeon-D Edge Server with 55°C and 70°C operating temp options

High Quality, Very Customizable, No Surprise Changes

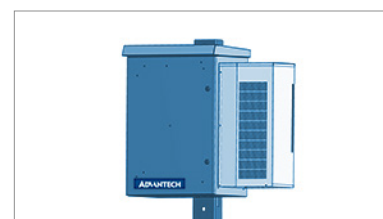
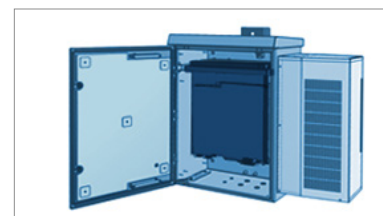
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Advantech Carrier Grade Servers



◆ IP 65 Pole-Mount Cabinet

- Cabinet designed for either wall mounting or pole mounting
- Maximum operating ambient (55°C@85%RH) – cabinet's internal operating ambient temperature range
- Accommodates up to THREE 1U short depth carrier grade servers with Intel® Xeon® Scalable Processor (or Xeon-D Processor)
- Enclosures are developed specifically for Advantech SKY-8000s platforms from a world class US/Europe-based cabinet supplier
- Accommodates ONE 2U short depth carrier grade dual socket server with Intel® Scalable Processor and 6x PCIe Gen3 slots (or 6x PCIe Gen4 slots in our next generation platform)



◆ Solution Brief



Private 5G Networks for Industrial IoT

The Advantech Private 5G Network solution combines industrial-grade hardware with full-stack radio access and core software in a fully integrated platform that provides enhanced data security, broadband speeds, deterministic behavior, real time response and cost efficiencies to enterprises deploying on-premises mission and business critical applications, building the backbone for the smart enterprise of the future.



5G Edge Servers for the Virtual RAN

Advantech 5G Edge Servers expands operators' base station hardware choice by providing them with an enhanced range of white-box servers that has been specifically designed for vRAN and the telco edge to meet high availability and carrier-grade networks' needs.

High Quality, Very Customizable, No Surprise Changes

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Advantech Enterprise Servers



Advantech's enterprise servers are with various designs to meet different market demands. We have servers to fit for network security, such as security gateway (cybersecurity) applications; these servers can also be a good fit for video applications, such as encoding, decoding, and transcoding. We also have storage servers for warm data and hot data needs. Advantech's enterprise servers are built to provide high reliability and high computing power scalability for a wide range of businesses.



Redundant power supply



Redundant cooling fan



Hot-swappable drive bay



Redundant BIOS & BMC design



Longevity



Revision control



Toolless design



Robustness with chassis mechanical twist strength design

Product Portfolio



SKY-8201L

2U HCI server support up to 24x 2.5" or 12x 3.5" storage bay and up to 8x PCIe slots.



SKY-8101L

1U Single Socket storage server support up to 10x 2.5" or 4x 3.5" storage bay and up to 4x PCIe slots.



SKY-8101D

1U networking server support up to 4x PCIe x16 slots for up to 400G network traffic



SKY-8101N

1U storage server support up to 12x NVMe SSD

Use case: The Security of High Performance Cloud Networking

The internet is one of the most commonly attacked platforms by hackers to infect devices and infiltrate networks. For information technology companies, secure web security without sacrificing network traffic performance is a critical challenge. Advantech's SKY-8101D, a 1U networking server certified with Intel® Selected Solution NFVi program, is the answer. It secures gateways and shuts down web attacks, enabling users to browse the web (cloud) without worrying about network safety issues. In addition, SKY-8101D supports up to 4x PCIe x16 slots, for up to 400G network traffic, and equipping with LAN bypass PCIe Ethernet adapters. It perfectly protects all the inbound data without losing any packets.

High Quality, Very Customizable, No Surprise Changes

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