

inspur

Inspur Edge Computing Products

Inspur Electronic Information Industry Co., Ltd. Website: www.inspur.com
Technical Service Hotline: 1-844-860-0011/1-760-769-1847
Sales Service Hotline: 400-860-6708/800-860-6708/0531-88933376
Email: ECBU@inspur.com



浪潮边缘计算
Inspur-ECBU

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EDGE COMPUTING AN IRRESISTIBLE TREND

EDGE COMPUTING, AN IRRESISTIBLE TREND

■ In the era of the digital economy, 5G and artificial intelligence technologies continue to evolve. The market for the Internet of Things (IoT) is rapidly developing. As more and more devices are interconnected, the data generated by them grows exponentially. Complementing the high-speed and low-latency features of 5G, edge computing technology has become a promising opportunity in the trend of the smart IoT. According to International Data Corporation (IDC), the percentage of worldwide enterprise infrastructure deployments at the edge will rise from 10% in 2020 to 50% in 2023. Edge computing will continue to increase in size, becoming a comparable emergent market to cloud computing.

■ Edge computing is an open platform that integrates the core functions of networks, computing, storage, and applications at the network's edge, near the source of equipment or data. It delivers nearby edge intelligent services that may not only realize localized traffic processing but also lessen traffic effect on remote data centers. It can provide a low-latency and highly stable operating environment for applications, allowing the computing framework to be extended between endpoints and the data center and assisting in achieving the optimum balance between scenario needs, computing power distribution, and deployment costs.

■ As the world's leading computing power infrastructure provider, Inspur began exploring the opportunities of the edge computing market several years ago. The technical experience Inspur has gained for more than 30 years in the research and development of IT data center infrastructures is now being applied to the edge market, supporting the development of edge computing infrastructures. Furthermore, committed to the construction of the edge ecology with an open and inclusive mindset, Inspur is focusing on seven application areas such as ICT integration, new-generation CDNs, intelligent connected vehicles, industrial Internet, industry + AI, urban governance, and intelligent Internet of Things to develop scenario-based full-stack solutions in collaboration with upstream and downstream partners.

Inspur® Edge Computing Portfolio

1 Edge micro data centers

01 SRDC



SRDC

2 Edge servers

02 NE5260M5
03 NE3160M5
04 NE3120M5



NE5260M5

NE3160M5

NE3120M5

3 Portable AI servers

05 NE3412M5



NE3412M5

4 Edge micro-servers

06 EIS200
07 EIS800



EIS200

EIS800

1 Edge micro data centers

SRDC600

Micro Data Center Deployed in an Indoor Edge Environment



► Integrating extreme computing power at the edge, SRDC is versatile, delivered as a complete server, convenient, and reliable. It has been widely used in enterprise 5G networks, edge data centers, edge AI computing nodes, and other scenarios.

Benefits

Compact body

To meet the need of flexible deployment in edge business scenarios, the cabinet depth is ≤ 600 mm, and the cabinet height is ≤ 24U. Equipped with handles and rollers, the cabinet can be moved easily between different physical spaces and can be transported as a whole.

Flexible module configuration

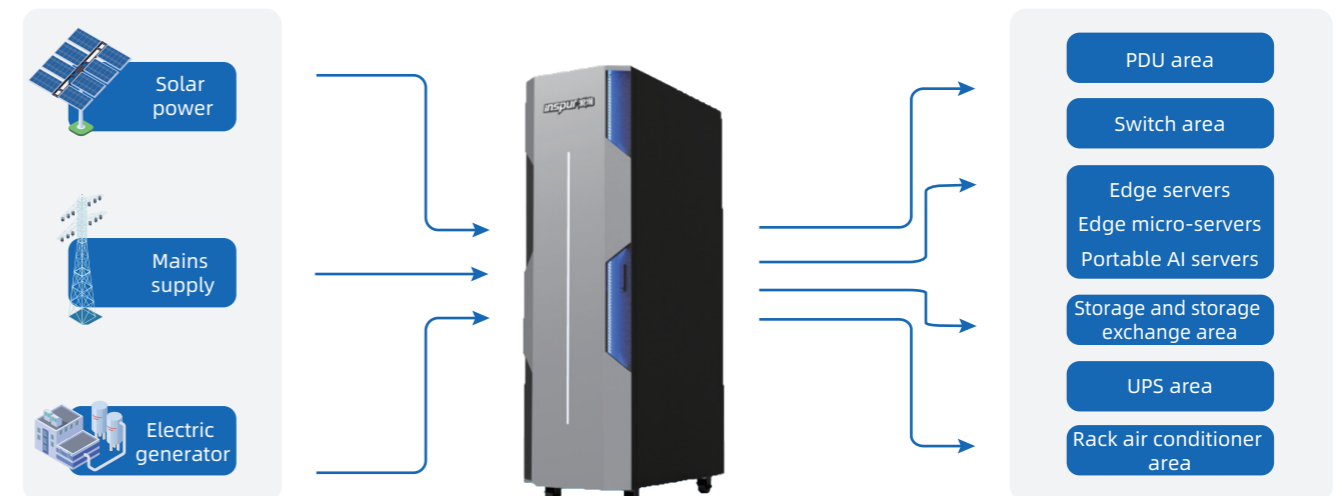
In response to different performance requirements, the all-in-one edge server supports flexible module configuration, including 1U/2U edge servers, AI BOX, 1000 Mb/10 Gb switches, communication equipment, rack air conditioners, and power distribution modules.

High reliability

Optimized material structure, outstanding high-strength, anti-seismic and anti-damage performance to ensure the safety and reliability of business and data.

Remote O&M

The devices inside the all-in-one edge server support remote management, operation and maintenance. The cabinet itself is equipped with a dynamic loop monitoring system, which monitors the cabinet's physical information in real time and provides early fault alarms as well as operation and maintenance alerts.



NE5260M5

Inspur Server



► **NE5260M5 is Inspur's first 2U2S server designed for edge computing scenarios. Featuring the latest Intel® Xeon® Scalable Processors, NE5260M5 delivers high performance, flexible scalability, and exceptional environmental adaptability for the extreme challenges of edge computing.**

Benefits

High performance	Scalability	Exceptional environmental adaptation	AI edge deployment	Easy O&M
Each CPU supports 6 channels and 8 DDR4 DIMMs up to 2933 MHz. Supports Optane™ Persistent Memory, achieving greater agility, safety and reliability. Support up to 6 + 2 NVMe SSDs, with low latency and large storage capacity. Adopts the new NUMA Balance architecture, providing more balanced and efficient processing performance.	NE5260M5 supports 6 PCIe 3.0 slots, up to 2 × PCIe x16 + 4 × PCIe x8 or 4 × PCIe x16. It supports up to 2 dual-width PCIe x16 GPUs with a TDP of 300 W, or up to 4 full-height half-length PCIe x16 GPUs with a TDP of 75 W.	It supports rack and wall mounting, reducing the deployment environment requirements. The server depth is only 430 mm (16.93 in), nearly 1/3 shorter than that of general-purpose servers. Operating temperature: 0°C to 45°C (32°F to 113°F) (continuous), -5°C to 50°C (23°F to 122°F) (short-term); humidity: 5% - 90% Features Class A electromagnetic compatibility, dust-proof, corrosion-resistant, seismic design, meeting telecommunications standards.	Based on 2nd Generation Intel® Xeon® Scalable Processors, NE5260M5 supports the new instruction set extension AVX512_VNNI, and provides professional accelerated deep computing and AI capabilities. It supports up to 2 dual-width or 4 single-width AI acceleration expansion cards, supports NVIDIA A100/T4 and other GPUs and FPGA cards with similar capabilities, and supports mixed use to respond to various AI application requirements.	The modular design and front-end operation and maintenance improve flexibility and efficiency. Front IO design and isolated cold and hot air ducts improve cooling efficiency.

Product Specifications

Model	NE5260M5
Processor	2 × Intel® Xeon® Scalable Processors with a variety of TDPs up to 205 W
Memory	Up to 16 × DDR4 2400/2666/2933 MT/s memory modules Supports RDIMM/LRDIMM/Optane™ PMem Up to 128 GB (Skylake)/256 GB (Cascade Lake) for each RDIMM/LRDIMM Up to 512 GB (Cascade Lake) for each DCPMM
Storage	Front: Up to 6 × 2.5" HDDs/SSDs Internal: Up to 2 × M.2 SSDs
I/O Expansion Slots	Up to 6 extendable standard PCIe 3.0 slots. Different PCIe Riser cards can be selected to provide different combinations of PCIe x8 and PCIe x16 slots. Up to 2 × dual-width GPU or 4 × single-width GPU
PSUs	Supports two 550 W/800 W/1300 W/1600 W/2000 W Platinum/Titanium PSUs with 1+1 redundancy.
Operating Temperature	-5°C to 50°C (23°F - 122°F) (For details, please refer to the white paper)
Dimensions	448 mm × 87 mm × 430 mm (17.64 in × 3.43 in × 16.93 in) (W × H × D)

NE3160M5

A Lightweight Edge Server



► **Designed based on the Open Telecom IT Infrastructure (OTII), the Inspur NE3160M5 is a low-power and high-concurrency edge server and has been widely used in edge computing scenarios such as ICT convergence, lightweight edge control, and video analytics.**

Benefits

Powerful AI computing	Environmental adaptation	Enhanced network functions	Network modes
Provides powerful edge AI computing capabilities and supports two inference cards of standard specifications	Operating temperature: -5°C to 55°C (23°F - 131°F); humidity: 5% - 95%, telecom-grade anti-seismic, moisture-proof and dust-proof, Class B electromagnetic compatibility	Various onboard network interfaces; supports IEEE 1588, GPS/BDS and cascaded clock synchronization, adapts to 5G communication scenarios; and supports a variety of smart network cards to meet different network configuration requirements	Supports multiple network modes such as WLAN, Wi-Fi, 4G, 5G, adapts to various application scenarios and edge AI applications

Product Specifications

Model	NE3160M5
Processor	1 × Xeon® D-2100 processor (4 - 16 cores, 45 W - 110 W TDP)
Memory	4 × 16/32/64 GB DDR4 memory modules
Storage	4 × 2.5" HDDs/SSDs 1 × M.2 SSD
I/O Expansion Slots	Onboard 4 × 10 Gb optical ports, 2 × 1 Gb electrical ports, 2 × USB ports, 1 × VGA port, 2 × clock ports, 1 × management network interface 2 × PCIe x16 FHFL expansion slots
PSUs	550 W/800 W 1+1 redundant PSUs
Operating Temperature	-5°C to 55°C (23°F - 131°F)
Dimensions	448 mm × 43.4 mm × 420 mm (17.64 in × 1.71 in × 16.54 in) (W × H × D)

2 Edge servers

NE3120M5

A Lightweight Edge Server



▶ Inspur NE3120M5 server is a cost-effective option for small smart applications and industrial Internet scenarios.

Benefits

Graphics processing optimization	Lightweight deployment	Cloud-edge collaboration	Flexible scalability
Built-in integrated GPU provides powerful graphics processing performance without having to purchase additional options	Chassis depth: 420 mm (16.54 in), supports wall-mounting, adapts to various application environments	The platform management software independently developed by Inspur enables remote monitoring and management of large-scale deployments, effectively reducing the pressure of users on operation, maintenance and management and ensuring information security	The combination of dual front HDDs and a built-in M.2 SSD can efficiently expand capacity with lightweight dual PCIe expansion, flexibly coping with computing power and network requirements

Product Specifications

Model	NE3120M5
Processor	1 x latest-generation Intel® Xeon® Scalable E processor (up to 95 W)
Memory	4 x 16/32 GB DDR4 memory modules
Storage	2 x 2.5" SAS 3.0/SATA 1 x M.2
I/O Expansion Slots	Onboard 2 x 1 Gb electrical ports, 4 x USB 3.0 ports, 2 x DP ports, 1 x VGA port, 1 x serial port, 1 x management network interface 2 x PCIe x8 HHHL slots
PSUs	550 W 1+1 redundant PSUs
Operating Temperature	5°C - 35°C (41°F - 95°F)
Dimensions	448 mm x 43.4 mm x 420 mm (17.64 in x 1.71 in x 16.54 in) (W x H x D)

3 Portable AI servers

NE3412M5

A Portable Server Designed for Edge AI Reasoning



▶ Inspur NE3412M5 is a portable AI server designed for application scenarios such as edge AI reasoning and data migration. It features the latest Intel® Xeon® Scalable Processors and provides strong performance, flexible scalability, exceptional environmental adaptation, and flexible configuration of GPUs and storage.

Benefits

High performance	Scalability	Exceptional environmental adaptation	Reliable chassis
1 x Intel® Xeon® Scalable Processor, supports 8 x DDR4 memory modules for one CPU, up to 2933 MHz.	The configuration can be flexibly expanded based on the environment. The GPU configuration supports 3 x 2.5" or 3.5" SATA drives and 1 x GPU, suitable for AI reasoning at the edge. The drive configuration supports 9 x 2.5" or 3.5" SATA drives, suitable for data storage and migration scenarios.	Operating temperature: 0°C - 45°C (32°F - 113°F) (continuous), -5°C to 50°C (23°F - 122°F) (short-term); humidity: 5% - 90%	The unique chassis design is not only attractive, but also safe and stable. Furthermore, it employs industrial control-level seismic and IPX5 waterproof designs to adapt to a variety of edge scenarios.

Product Specifications

Model	NE3412M5
Form Factor	Single-slot tower server
Processor	1 x Intel® Xeon® Scalable Processor with a variety of TDPs up to 105 W
Memory	Up to 8 x 2933 MT/s DDR4 memory modules
Storage	Internal drive: 1 x M.2 SSD GPU: Up to 3 x 2.5" or 3.5" SATA drives Storage: Up to 9 x 2.5" or 3.5" SATA drives
I/O Expansion Slots	Supports 2 x PCIe x16 + 1 x PCIe x8 slots
PSUs	1 x 850 W ATX PSU with no redundancy
Operating Temperature	0°C - 45°C (32°F - 113°F)
Dimensions	460 mm x 420 mm x 190 mm (18.11 in x 16.54 in x 7.48 in) (W x H x D)

4 Edge micro-servers

EIS200

Compact Server Providing Edge Computing Power for Edge Applications



- ▶ Inspur EIS200 edge micro-server is a high-performance, low-power edge computing product designed for IoT access and edge scenarios and is geared toward a wide range of edge AI applications, including smart retail, smart manufacturing, smart cities, and smart logistics.

Benefits

Powerful AI computing

Compatible with a variety of Jetson modules, ultra-low power consumption, provides up to 21 TOPS computing power, supports up to 1080p 32-channel decoding and 14-channel encoding.

Environmental adaptation

Operating temperature: -40°C to 65°C (-40°F to 149°F); humidity: 5% - 95%; IP40 rating

Network modes

Supports multiple network modes such as WLAN, Wi-Fi, ZigBee, 4G, and 5G; adapts to various communication application scenarios.

Platform compatibility

Users can quickly migrate reasoning algorithms from the x86 platform to the Jetson platform using NVIDIA's computing ecology.

Product Specifications

Model	Inspur EIS200		
Modules	Jetson Nano	Jetson TX2 NX	Jetson Xavier NX
Computing Power	472 GFLOPS	1.33 TOPS	21 TOPS
Memory	4 GB 64-bit LPDDR4	4 GB 128-bit LPDDR4	8 GB 128-bit LPDDR4
Storage	16 GB eMMC 5.1	16 GB eMMC 5.1	16 GB eMMC 5.1
PSUs	9 V - 36 V (Via the industrial-grade DC-in connector and DC jack) and PoE PD (802.3at compliant)		
Video Output	1 × HDMI 2.0		
Onboard Network Port	1 × RJ45 network port		
USB Port	2 × USB 2.0 + 2 × USB 3.0		
Wireless Network Port	Supports 4G/5G/Wi-Fi/ZigBee module		
CAN (NX) & Serial Port	1 × CAN port (NX only)/1 × COM RS232/485		
Extension Module	Speaker (alarm speaker)/8-bit I/O signal (DIO) expansion/built-in SD card for extended storage		
Buttons & Appearance	2 × buttons (for reset and recovery mode) and 4 × system state LEDs		
Environmental Adaptation	Operating temperature: -40°C to 65°C (-40°F to 149°F);	humidity: 5% - 95% Operating temperature: -40°C to 60°C (-40°F to 140°F);	humidity: 5% - 95% Operating temperature: -40°C to 55°C (-40°F to 131°F); humidity: 5% - 95%
IP Rating	IP40		
Dimensions	200 mm × 140 mm × 46 mm (7.87 in × 5.51 in × 1.81 in)		
Cooling	Fan-less design, supports slow start in extremely low temperatures (-40°C) (-40°F)		

4 Edge micro-servers

EIS800 (Coming Soon)

Flagship Edge Micro Server

- ▶ The Inspur EIS800 edge micro-server is a flagship for a variety of edge scenarios. It has a "CPU+GPU" separation design, multiple computing power configurations, high scalability, and a broad application coverage. It can be configured flexibly to meet the needs of various scenarios.

Benefits

Flexible computing power

Supports accelerator and GPU cards according to different needs, with 0-130 T computing power, covering various AI application scenarios

Flexible configurations

Supports three types of I/O expansion boxes, providing large storage capacity, large-bandwidth NICs, and high-power GPUs to meet the needs of various scenarios

Multiple forms

Indoor, outdoor, and micro-center nodes are available. Outdoor nodes meet the IP65 requirements and can operate in the temperature range of -40°C to 65°C (-40°F to 149°F)

Flexible deployment

Supports multi-node stacking and splicing on a shelf with a small body and high density, adapts to a variety of application deployment environments



Indoor node



Outdoor node



Micro-center node



Desktop node



Cabinet-level node

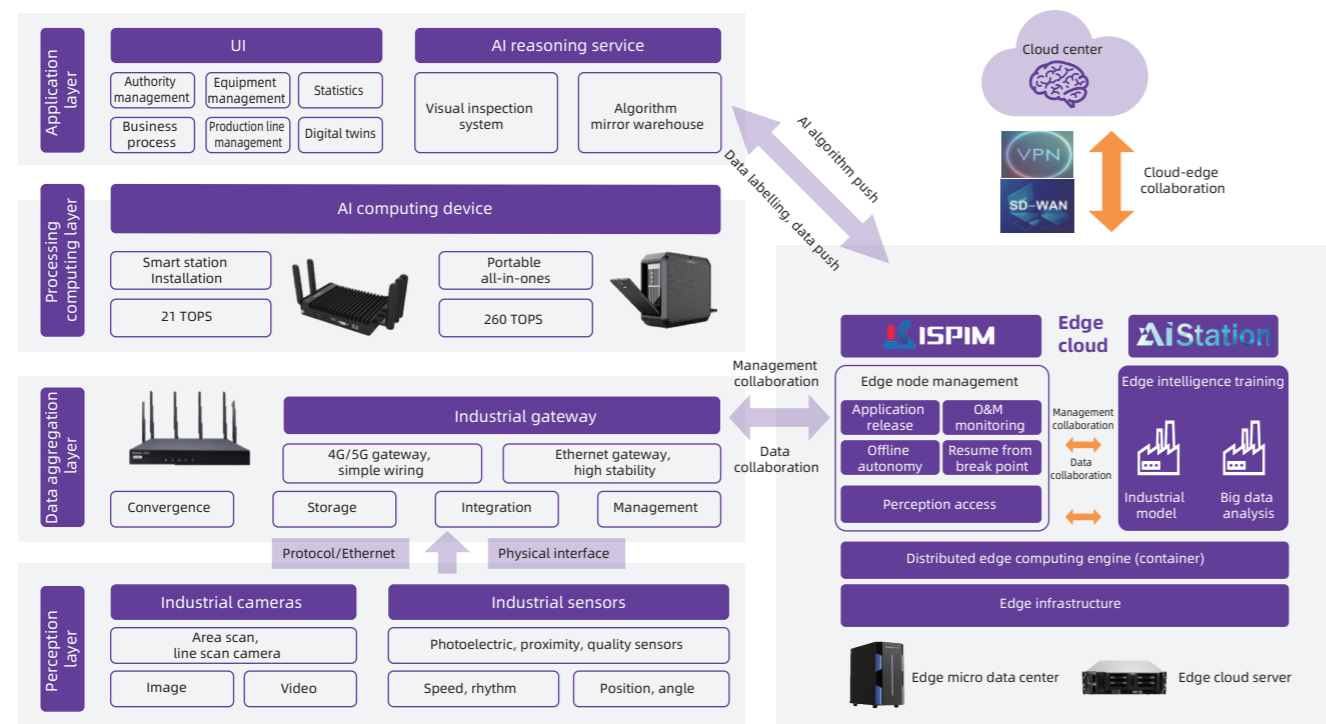
Product Specifications

Model	EIS800 (indoor node)	
Processor	Atom C3000	
Memory	Up to 64 GB SODIMM	
Storage	2 × built-in M.2 SATA/NVMe drives (M.2 SSD or M.2 accelerator can be added)	
I/O Expansion Slots	2 × 10Gb RJ45, 2 × 10 Gb SFP 1 × RJ45 management network port; optional PSE network port expansion	
PSUs	Supports power supply via an external power adapter (12 V), support 9 V - 36 V input	
Operating Temperature	Max. operating temperature: -40°C to 65°C (-40°F to 149°F)	
Dimensions	250 mm × 220 mm × 65 mm (9.84 in × 8.66 in × 2.56 in) (D × W × L)	
Scenario	Item	Specifications
Micro-center node	Expansion box	Optional storage, network card, and GPU expansion
	Temperature	0°C - 55°C (32°F - 131°F)
	Desktop micro-center	Stacking of up to 6 micro-center nodes
Cabinet-level node	Cabinet-level micro-center	Up to 2 micro-center nodes horizontally spliced on a shelf
	Outdoor Node	Protection

Intelligent Quality Inspection Solution

- ▶ The intelligent quality inspection solution combines the powerful edge computing power of Inspur servers with the defect detection algorithm capability developed independently by SmartMore, which can automatically, quickly, and conveniently detect cosmetic defects of industrial products and parts and assist manufacturing enterprises in lowering the human resource cost of quality inspection and increasing the yield of products.

System Architecture



Benefits

Low threshold Low operating threshold, enabling non-algorithm engineers to complete the entire process of AI training at ease	Simple UI The extremely simple interactive interface enables users to quickly realize model creation and model iteration	Multi-dimensional deployment Local/cloud deployment, reducing hardware investment in the early stage	Flexible application Embedded multiple industry algorithm pipelines, while supporting partners to develop and import industry-general algorithms
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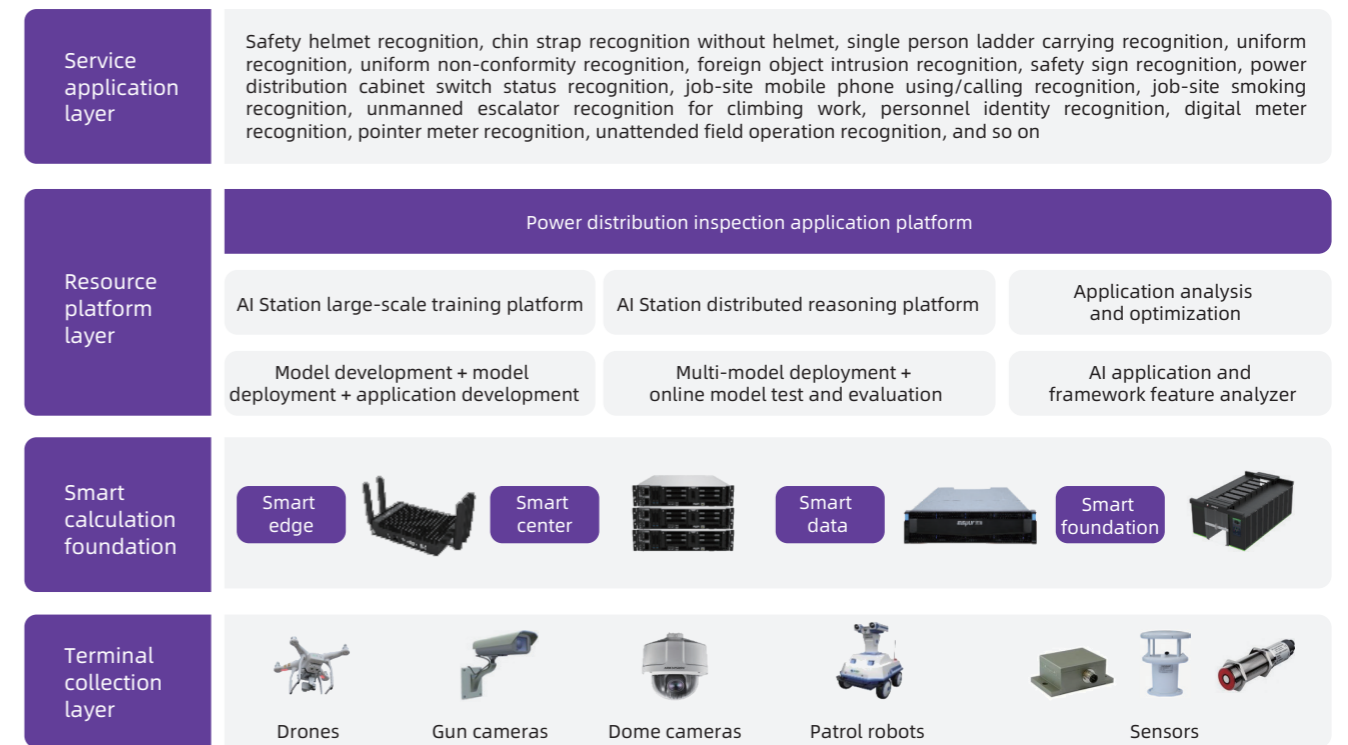
Applications

Character recognition It supports single- and multi-character labeling and recognition based on the deep learning end-to-end solution, breaking the technical limitations of traditional methods and solving complex problems such as recognition of surface characters, low-contrast characters, and large characters	Detection Locate and classify the targets in the detected materials, suitable for multi-target detection, small target detection, counting, and so on, such as drug pill counting and 3C device detection	Category Classification judgments on materials, such as OK/NG binary classification judgment on the materials, the colors of the test objects, the types of food materials, 3C defect classification, and so on	Segmentation Pixel-level detection and edge recognition of objects, such as identifying cracks on silicon wafers and bearing bumps
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Smart Power Solution

- ▶ It is a smart power solution launched by Inspur. It realizes intelligent transformation of scenarios such as intelligent monitoring of power distribution rooms, intelligent analysis of transmission line inspection images, and safety monitoring of job sites through the deep integration of AI, edge computing technology, and grid scenarios, greatly reducing resource occupation and manpower input.

System Architecture



Benefits

In-depth cloud-edge collaboration	Cost reduction by more than 30%	The efficiency of the business can be increased by more than 50%.
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1. Cloud-edge collaboration: Unified management of edge devices can be realized in the cloud, supporting one-click inspection and cloud fault diagnosis, and firmware upgrades.
2. Smart integration: It can adapt to the temperature range of -20°C to 60°C (-4°F to 140°F) and supports a variety of methods including wall-mounting; in case that the power is lower than 30 W, it can support online processing of up to 24 channels of video.

1. Plug and play: Intelligent scene transformation can be carried out quickly without the need to modify the network or information architecture substantially, and existing cameras can be used to avoid downtime and pitting costs associated with multiple transformations.
2. Save resources: Front-end in-situ analysis significantly reduces the use of public network traffic, cloud storage and computing resources, and overall system construction and operation costs by more than 30%.

1. On-site linkage: The network delay on the edge side is less than 15 ms, and second-level identification and analysis can be combined with on-site sound and light alarms, as well as timely abnormality warnings, to ensure the safety of equipment and operations.
2. Increased efficiency: The operation and maintenance team can conduct remote inspection and use AI to realize intelligent image recognition, which greatly reduces manpower involvement and improves real-time efficiency of operation and inspection by more than 50%.

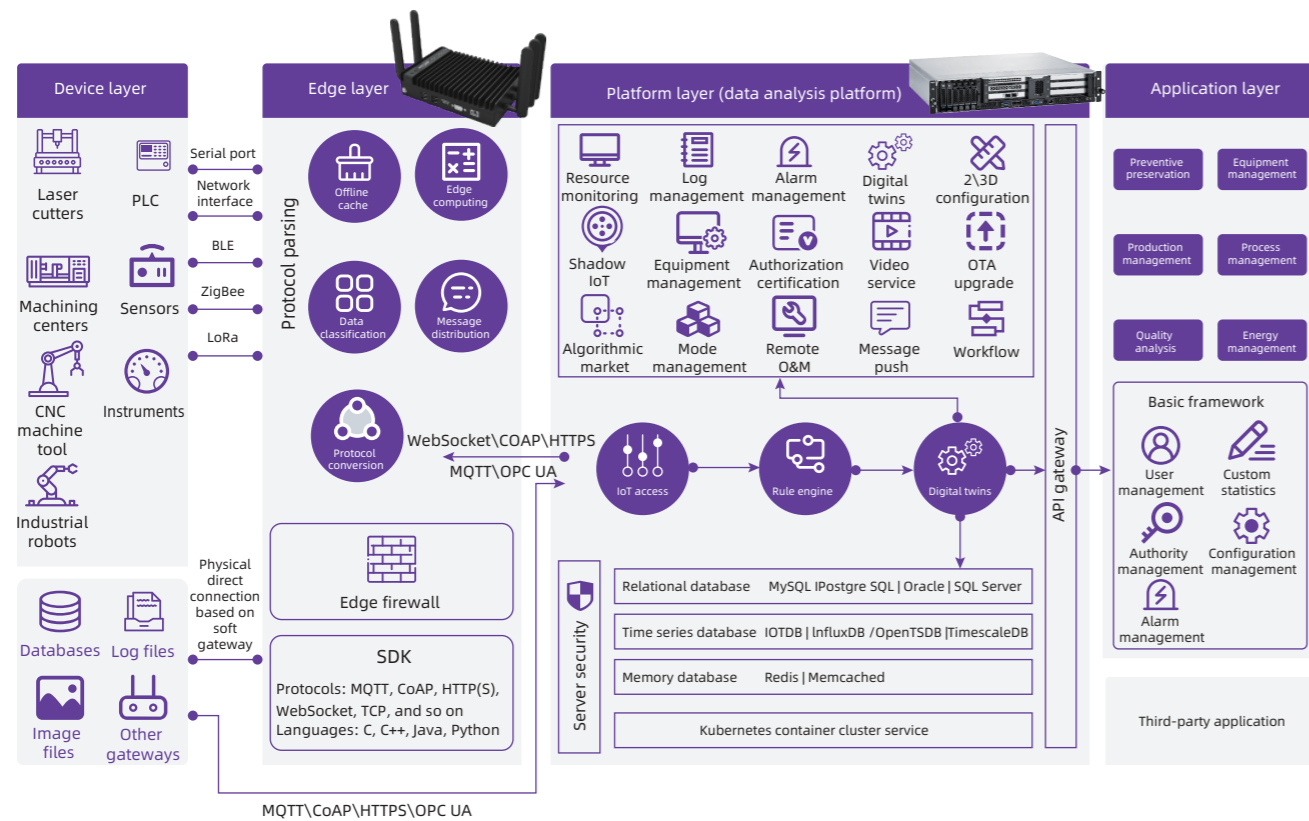
Applications

Safety helmet recognition, chin strap recognition without helmet, single person ladder carrying recognition, uniform recognition, uniform non-conformity recognition, foreign object intrusion recognition, safety sign recognition, power distribution cabinet switch status recognition, job-site mobile phone using/calling recognition, job-site smoking recognition, unmanned escalator recognition for climbing work, personnel identity recognition, digital meter recognition, pointer meter recognition, unattended field operation recognition, and so on

Smart Manufacturing Solution

- ▶ Inspur and Zhan-wan Technology have launched a smart industrial solution that can monitor the health status of robots in smart factories in real time, and use the "Internet of Things + Algorithms" model to monitor and predict potential failures of the robot system online, transforming the traditional TBM (time-based maintenance) to CBM (condition-based maintenance). The solution can help avoid unplanned robot downtime, ensure the continuous, stable, and efficient production operation of the fully automated production line throughout the day, increase the utilization rate of the production line, and improve the factory's overall efficiency.

System Architecture



Benefits

Data collection and processing	Rapid application development	Integrated monitoring and O&M	Intelligent AI algorithms
<ul style="list-style-type: none"> Access to a large number of IoT devices Multi-protocol SDK and standard API Distributed big data components Standard digital twin data models Efficient streaming data processing 	<ul style="list-style-type: none"> Drag-and-drop configuration page development Digital twin data binding Zero-code page development Various BI reports Equipment and business database access Surveillance video binding 	<ul style="list-style-type: none"> Equipment log traceability System operation records Remote OTA upgrade of equipment Equipment alarms and anti-control capability Remote debugging Personnel authority management settings 	<ul style="list-style-type: none"> Algorithm management and subscription Online mode training Algorithm allocation to edge Custom algorithms General scenario algorithms Specific scenario algorithms

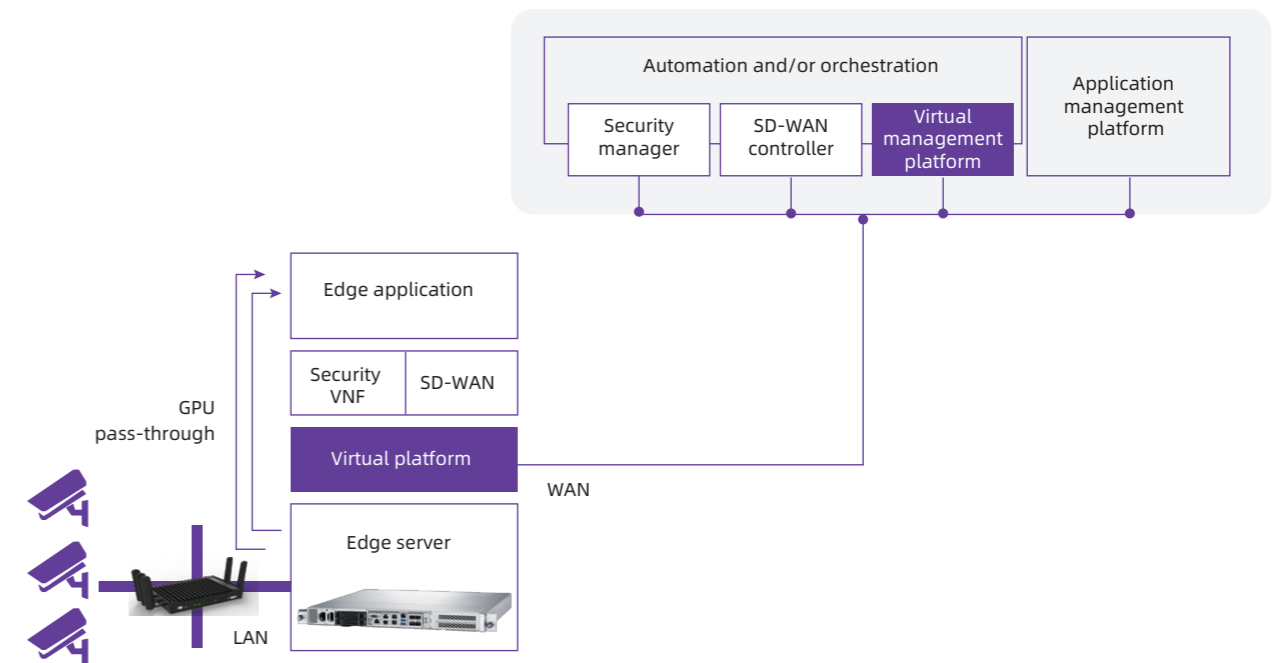
Applications

Predictive maintenance of equipment (CNC machine tools)	Online quality inspection of welding defects of arc welding robots	Intelligent factory IoT platform for the construction machinery industry
Equipment (robot) preventive maintenance	SAP HANA data connection	

Smart Edge Network Solution

- ▶ The SD-WAN intelligent network edge solution developed by Inspur can detect and perceive network conditions and link quality in real time, ensure the reliability and continuity of service transmission, and enable fast and flexible interconnection between edge data centers and cloud data centers, giving the best play to computing power of cloud data centers and reducing business operation costs. In addition, it can provide safer and more efficient edge computing power for AI application scenarios such as unmanned retail stores, product suggestion, self-checkout, logistics control management, and so on, depending on the computing power of the edge data center.

System Architecture



Benefits

Unified monitoring and alarms	Batch node management	Cloud edge data channel
Offline node autonomy	Edge application management	Device perception access

Applications

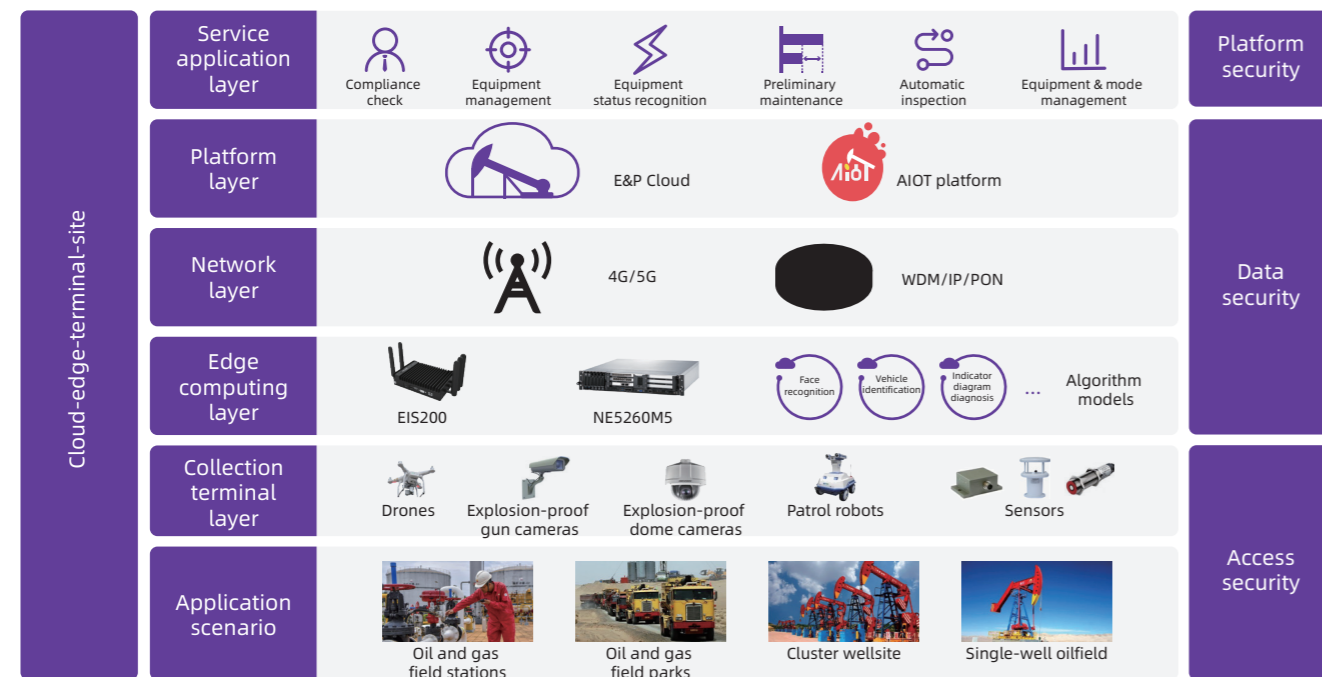
Smart stores

Video analysis	Transaction security	IOT control
Videos and AI algorithms are used to precisely analyze consumer behavior/status and provide services that better fulfill the demands of customers.	SD-WAN/firewall/local area private network, as well as other application features, are used to provide multiple layers of security for transactions	Smart terminals and environmental equipment in the store are controlled in real time and intelligently to provide customers with a more convenient and comfortable shopping experience

Smart Oil Well Solution

- ▶ The Inspur smart oil well solution can automatically collect the voltage, current, load, temperature, video and image, and other data of smart instruments on the oilfield, perform real-time analysis and processing on the Inspur edge micro-server computing platform, and send the data back to the data center to realize intelligent management

System Architecture



Benefits

Electricity expense is reduced by 80%	Labor costs are reduced by 70%	Personnel safety
The mining machine can automatically start and stop, as well as alter its speed based on the oil resource condition beneath, minimizing electricity expenditures.	The equipment can partly substitute the labor, allowing for remote monitoring, operation, maintenance, and inspection, among other things, as well as the unattended operation of oil production.	Shoot videos on field operations and use AI vision algorithms to achieve compliance inspection of the operation site, such as worker safety.

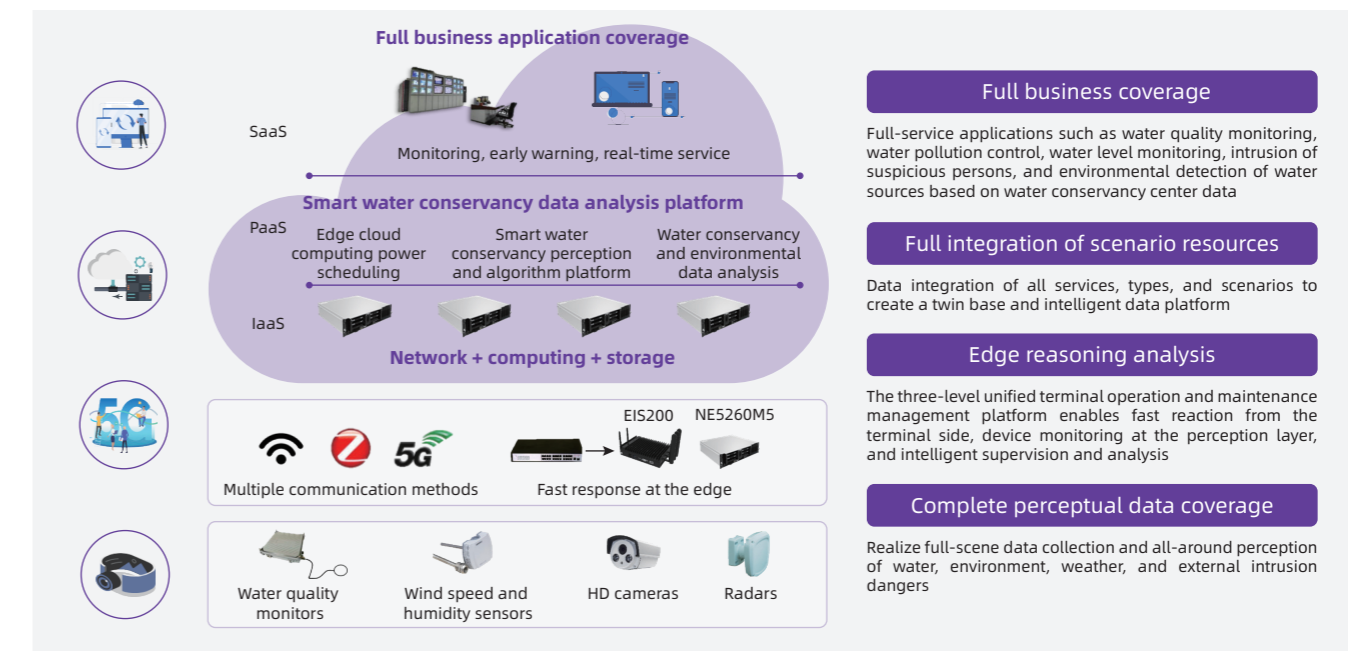
Applications

Monitoring of pumping unit status	Predictive equipment maintenance	Workplace safety monitoring
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Smart Water Conservancy Solution

- ▶ This solution employs edge micro-servers to perform all-around perception of edge data such as water, environment, weather, and pollutants, collect data in all scenarios, reduce the manual inspection cycle, and provide quick and accurate data and smart alarms for water quality monitoring, water pollution control, water level monitoring, and water source environmental inspection.

System Architecture



Benefits

Intelligent	Integrated	Platform	Multi-scenario
Shorten the manual inspection cycle by intelligently perceiving and controlling a wide range of environmental data	This solution allows for the centralized control of computing power dispatch, water conservation data, omnipresent perception, algorithm models, business models, and so on	Break down data walls and island systems, and implement platform-based data visualization monitoring and early warning systems	Implement multi-scenarios such as disaster analysis, hydrodynamic models, water level analysis, and person identification analysis

Applications

Water engineering construction progress and staff safety monitoring	Dynamic monitoring of soil and water conservation	Flood image analysis using remote sensing
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Smart Parking Lot Solution

▶ Inspur's smart parking lot solution leverages the high computing power, ease of deployment, low cost, and other features of edge computing products, to boost the parking lot operation and maintenance mode for customers. Edge products are compact and easy to store. They can be positioned freely in a small space and function normally outside without temperature control. In addition, the powerful image analysis and AI computing capabilities enable rapid reasoning and decision-making on the edge, and independently manage a single parking lot, saving time for remote data transmission and processing. As a result, the back-end data center only needs to manage and analyze data for each EIS200, significantly reducing the load on back-end computing. It increases not only the daily management efficiency of a single parking lot, but also the overall management of several parking lots.

System Architecture



Benefits

- Cost saving
- Space saving
- Computing power

The Inspur edge smart station solution and the Inspur edge micro-server EIS200 ensure the computing power for the smart parking lot project of the Tokyo Institute of Technology. The solution reduced the construction cost of the parking lot by more than 40% and has substantially decreased the pressure on the operation, maintenance and management of the parking lot, simplified the management of numerous parking lots across Japan, and avoided sophisticated earth inductor coil construction and regular aging inspections.

Applications

- Parking guidance
- Contactless payment
- Parking records
- Danger warning
- Electronic charging