




AISWare AgileNet

AsialInfo's Private 5G Network Portfolio

Overview

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Product Positioning AISWare AgileNet, designed by AsialInfo Technologies, is a product portfolio of private 5G with secure, reliable, and extreme-performance towards the modernization of network infrastructure for verticals, along with the full-stack solutions of digital intelligence on top of the network infrastructure.
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Target customers Operators (public network), Verticals (private network)
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Product Definition AISWare AgileNet is an all-in-one product portfolio of AsialInfo Technologies including 5G Base Station, 5G Core Network, 5G Multi-access Edge Computing (MEC), Intelligent Link Product (iLink), and P5G Operation Platform, with which AsialInfo provide multi-scenario solutions for verticals along with end-to-end and full-stack services of P5G planning, design, deployment, operation, maintenance and integration for vertical customers.

Core Functions

5G All-In-One Base Station	5G Extension Pico Base Station	5G Core Network	iLink Switch	iLink Gateway
 700MHz All-in-one Base Station (gNB)	 pRRU (2.6GHz, 3.3GHz, 3.5GHz, 4.9GHz) EU BBU	 5GC IMS MEC	 Professional Advanced Standard	 Small Aggregation Medium Branch Small Branch
5G All-In-One Base Station	AISWare AgileNet-RAN S4	Frequency: FDD 700MHz Bandwidth: 30MHz/20MHz/15MHz Power: 1 Cellx2T2R, 40W Capacity: Activate 200 Users in a Single Cell		
5G Extension Pico Base Station	AISWare AgileNet-RAN S1/S2/S3/S49	Frequency: TDD 2.6G/3.3G/3.5G/4.9GHz Bandwidth: 100MHz/80MHz Power: 2 Cellsx4T4R, 250mW; 4 Cellsx2T2R, 500mW Capacity: Activate 400 Users in a Single Cell		
5G Core Network	AISWare AgileNet-CN	Basic: 1000 users; Throughput 5Gbps; Supports 16 base stations Standard: 5000 users; Throughput 10Gbps; Supports 128 base stations Advanced: 10000 users; Throughput 20Gbps; Supports 512 base stations		
Intelligent Link Switch	AISWare iLinks	Standard: Switching Capacity 208Gbps; Packet Forwarding Rate 155Mpps Advanced: Switching Capacity 1.44Tbps; Packet Forwarding Rate 1071Mpps Professional: Switching Capacity 4.0Tbps; Packet Forwarding Rate 2976Mpps		
Intelligent Link Gateway	AISWare iLinkG	Small Branch: Bandwidth Limit 100Mbps Medium Branch: Bandwidth Limit 500Mbps Small Aggregation: Bandwidth Limit 1Gbps		

Unique Advantages



Industry-specific Capability

- Vibration Resistance, Salt Spray Resistance, Radiation Resistance
- 5G LAN、TSN
- RedCap, Precision Positioning
- VoNR
- Integrated Operation and Maintenance



Flexible Networking Capability

- Full or Partial Sinking Deployment of Core Network
- 5G NR Relay
- MOCN
- Cloudified Core Network



Joint Communication and Computing

- Computing Native Network: 5G base stations possess communication and intelligent computing capabilities to achieve the integration of 6G communication and computing in advance
- JC&C base stations help customers save computing power investments

Smart and Simplified Operation

- Private Network Operations Platform
- O&M Team Support

Application Scenarios



Smart Nuclear Power



Wind Power Generation



Open-pit Mines



Industrial Manufacturing

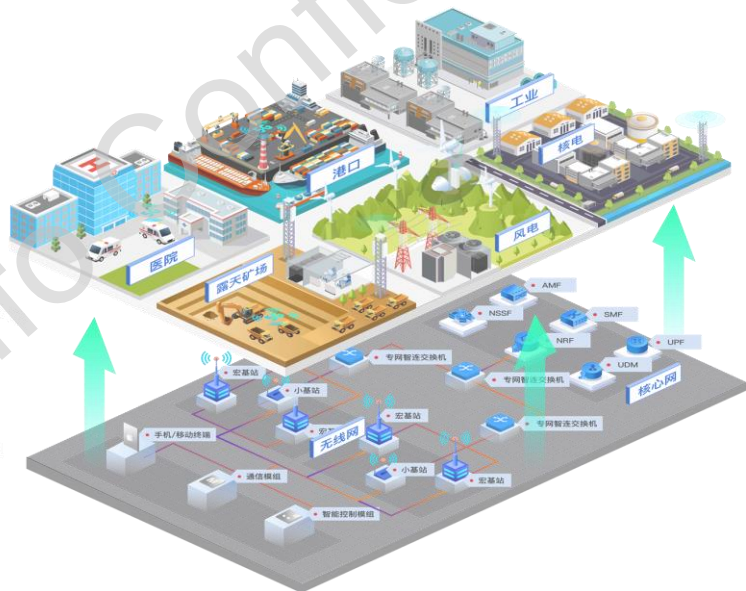


Smart Port



Digital Hospital

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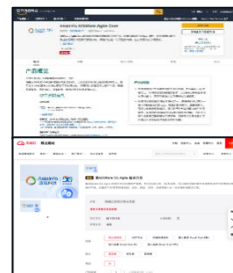
Awards & Certificates



MIIT Certificates for 5G base station



MIIT Certificates for 5G Core Network



List on China Telecom Cloud App Marketplace
List on AWS Marketplace



First Prize for Technological Progress, China Association for Automation (2023)
Second Prize for Technological Progress, China Computer Federation (2023)

Use Cases

Smart Nuclear Power Plant | New Energy Wind Power Plant | Telecom Operator Group