5g base station integrated communication platform

What is a 5G base station?
The introduction of ISAC enables 5G base stations to detect the position, speed, trajectory of low-altitude drones, thereby enabling the 5G network to provide capabilities such as positioning, navigation, and trajectory tracking alongside low-altitude communications.

What is 5G a dvanced?
5G-A dvanced will continue to enhance network performancein terms of coverage,capacity,and user experience. More importantly,it will enhance the business value of 5G networks. ZTE''s integrated sensing and communication (ISAC) solution extends the business scope of the 5G network from communication into sensing.

What is 5G monetization?
As one of the important innovative technologies for monetizing the 5G network, it enables the 5G base station to serve as the digital infrastructure of the low-altitude economy, providing capabilities such as real-time broadband communications, precise sensing, positioning and sensing data calculation.

What is cellular base station technology?
This technology enables cellular base stations to provide radar-like sensing functions in addition to the traditional communication capabilities, enabling ranging, angle measurement, and speed measurement of target objects.

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With massive and ubiquitous deployment of 5G base stations, the integrated sensing, computation, control and communication system will have many advantages such as ...

Thanks to their inherent advantages including large radio coverage and less dependence on terrestrial infrastructures, space and aerial networks can play an important ...

ST Engineering iDirect, a global leader in satellite communications, announced that it is collaborating with Capgemini, an AI-powered global business and technology ...

The fully integrated platform leverages market-leading technologies that drive advanced 5G RU requirements, support for all sub ...

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The 5G integrated base station digital board hardware platform adopts NXP LX2160 multi-core processor or domestic 8-core processor as high-level protocol processing; domestic PC802 ...

An effective method is needed to maximize base station battery utilization and reduce operating costs. In this trend towards next-generation smart and integrated energy ...

This paper proposes a double-layer clustering method for 5G base stations and an integrated centralized-decentralized control strategy for their participation in frequency ...

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