



C&T RF Antennas Inc

<https://ctrfantennasinc.com/> <https://lcantennas.com/> <https://pcbantennas.com/>

7 New UWB Industry Trends



From the 7 newest [UWB industry trends](#) to reveal how [UWB](#) technology future goes.

What is UWB technology?

Ultra-Wide Band, UWB technology is a wireless carrier communication technology that does not use a sinusoidal carrier, but uses the non-sinusoidal narrow pulse of nanoseconds, so the spectrum range is wide.

UWB technology has developed from a silent radio material technology into a big hotspot from a silent niece technology, and many people want to flood into this area, to divide a piece of cake in the market.

What is the current situation in the UWB market? What are the new UWB industry trends?

The 7 newest UWB industry trends

UWB industry trend 1: UWB program manufacturers are paying attention to more technical solutions

Compared with 2 years ago, we found that many manufacturers who do UWB programs are not just to pay attention to UWB technology, but also more technical reserves, such as Bluetooth AOA or other wireless communication technology solutions.

Because the programmer is closely linked to the application end, many times the company's program is based on user needs. In actual landing applications, it is inevitable that some need to use UWB unable to solve the need, need to use other technology, so the program chamber is derived from other technical business based on its advantages.

Please Contact us for more information, thank you.

Contact Person: Coco Lu coco@ctrfantennasinc.com (+86)13412239096



C&T RF Antennas Inc

<https://ctrfantennasinc.com/> <https://lcantennas.com/> <https://pcbantennas.com/>

UWB industry trend 2: UWB's corporate business gradually differentiates

Based on this UWB industry trend, on the one hand, it is done subtraction and makes products more standardized; on the one hand, it is more complex.

A few years ago, UWB programmers mainly made UWB-related products such as UWB base stations, labels, software systems, and now, the business gameplay begins to differentiate.

On the one hand, it is done subtraction, letting the product or program more standardized. For example, in businesses such as factories, hospitals, coal mines, many companies provide a standardized module product, customer acceptance is higher, such as many companies are also working hard to optimize the installation steps, reduce the use threshold so that users can To deploy UWB base stations, it is also a standardization.

There are many advantages to standardization. For program merchants themselves, it can reduce the investment of personnel to install deployment or make products that can be reproducible. For users (often integrators), they can understand their understanding of the industry to do higher customization.

On the other hand, we also found that some companies choose to do addition, in addition to providing UWB-related hardware and software, in the project, will be more scheduled integration based on user needs.

For example, in a factory, in addition to the demand for positioning, there is more demand for video surveillance, temperature and humidity detection, gas testing, etc., and the UWB program chamber will take the project to do this project.

The advantage of this approach is to bring higher income to the UWB programmer and is also stronger with the user's stickiness.

UWB industry trend 3: There are more and more domestic UWB chips, but their main opportunities are in the intelligent hardware market.

For UWB chip companies, the target market can be divided into three categories, namely the Business IoT market, mobile phone market, and intelligent hardware market. In the past two years, there are more and more domestic UWB chip companies, and the biggest selling point of domestic chips is cost-effective.

For the demand for the Business market, chip manufacturers generally distinguish between the end-user market, redefine a chip, but the chip shipments in the Business market are not very large, and some chip vendors will provide added value-added modules. And B-terminal products are relatively low for chip prices, more stable and performance, and many times will not be replaced because of the chip cheaper.

And the mobile phone market, because the volume is high, the performance requirements are also high, generally giving priority to the product to be verified, the biggest opportunity for domestic UWB chip vendors is in the intelligent hardware market, because the intelligent hardware market is potential Large, high price sensitivity, and domestic chips are very advantageous.

UWB industry trend 4: Multimode UWB + X products will gradually increase

Whether it is a Business or a end-user demand, many times only UWB technology is difficult to fully meet the demand, so there will be more and more UWB + X multi-mode products in the

Please Contact us for more information, thank you.

Contact Person: Coco Lu coco@ctrfantennasinc.com (+86)13412239096



C&T RF Antennas Inc

<https://ctrfantennasinc.com/> <https://lcantennas.com/> <https://pcbantennas.com/>

market.

For example, based on the UWB positioning + sensor, the sensor's data can be used to supervise the movable person or item, such as Apple's Airbag, is the Bluetooth + UWB program, UWB is used to do accurate Positioning ranging, Bluetooth is used to wake up the transmission.

UWB industry trend 5: The amount of enterprise UWB big projects is getting bigger and bigger

Two years ago, when we surveyed, the UWB millions of projects were very small, and the 50 million levels were more flexible. In this year's research, we found that millions of projects increased significantly. Larger planners, each year has a certain number of projects, and even millions of projects have begun.

This is benefited from the user's recognition of UWB value, and on the other hand, it is a decrease in the price of the UWB program, making the customer's acceptance higher.

UWB industry trend 6: UWB-based Beacon program begins to gradually pop

In the latest research, we have found some UWB-based Beacon schemes in the market. This type of scheme is similar to the Bluetooth Beacon program, and the UWB base station is lightweight and standardized, reducing the cost of the base station, to make it easier to arrange, the label is more demanding for higher computing power. In the project, if the quantity of the base station is greater than the number of labels, it is saved in this way.

UWB industry trend 7: UWB companies have more and more capital recognition

In recent years, there have been many investment incidents in the UWB circle. Of course, the most important thing is to focus on the chip level, because the chip is the beginning of the industry, and then combined with the current chip industry, directly promotes multiple cores field investment financing incident.

The mainstream planner of the UWB business also has many investment incidents. It has deep cultivation in a certain segment in the Business field and has formed a higher market threshold, which will be more popular in the capital market, and the end-user market, the current market is also to be developed and the focus of the future concern of the capital market.

Besides the 7 New UWB Industry Trends article, you may also be interested in the below articles.

[About Wi-Fi, You Did Not Know](#)

[What is the difference between WIFI and WLAN?](#)

[Summary of 41 Basic Knowledge of LTE](#)

[What Spectrum Is Used In 5G?](#)

[What Is Wi-Fi 7?](#)

[How To Choose 2.4G And 5G?](#)

[What Are The Advantages And Characteristics Of NB-IoT And LoRa?](#)

[What Is The 5G Network Slicing?](#)

[Wifi Antenna Design](#)

[What Are The IoT Antenna Types?](#)

Please Contact us for more information, thank you.

Contact Person: Coco Lu coco@ctrfantennasinc.com (+86)13412239096