The Power to Be Precise

FiRa Consortium
The strength to deliver lasting innovation

The FiRa name, which stands for "fine ranging," highlights UWB technology's unique ability to deliver unprecedented accuracy and security when measuring the distance to a target or determining position. As an industry Consortium, we believe UWB technology can transform the way people experience connectivity, and we're committed to the widespread adoption of UWB-driven applications.

Our vision is to provide seamless user experiences using the secured fine ranging and positioning capabilities of interoperable UWB technologies.

Making Fine Ranging A Reality

UWB technology delivers accurate ranging and positioning in challenging real-world environments, allowing devices to add real-time spatial context enabling new user experiences. Through our Working Groups, we use a three-pronged approach to support the expansion of this remarkable technology.

1. We create opportunities by identifying and developing **use cases**

2. We ensure seamless end-user experiences by defining **standards and certification programs** for interoperability

3. We support rapid deployment by fostering the **UWB ecosystem**

Use Cases To Deliver New Experiences

Seamless Access Control
Simply approach the door and it opens, leave the door on the unsecure (outside) and it locks

Location-Based Services
Bring positioning functionality with a high degree of accuracy to indoor environments

Device-to-Device Services
Let two UWB devices share relative ranging and positioning data to localize each other

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