

# Global UWB Digital Key Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global UWB Digital Key market size was valued at US\$ 217 million in 2025 and is forecast to a readjusted size of US\$ 1164 million by 2032 with a CAGR of 27.0% during review period.

A UWB digital key is a vehicle access and start solution that turns a smartphone or wearable into a car key by leveraging Ultra-Wideband (UWB) secure ranging and precise localization. Compared with Bluetooth-only or NFC-only approaches, UWB can accurately measure distance and verify true proximity, which helps mitigate relay attacks and enables a more seamless hands-free ?walk-up unlock / walk-away lock? user experience. In practice, many implementations follow the Car Connectivity Consortium (CCC) Digital Key specifications, commonly authenticating via BLE and then establishing a secure UWB ranging session for precise positioning.

Upstream building blocks include UWB chipsets and RF/antenna design, BLE/NFC connectivity, automotive-grade secure elements (SE/HSM), vehicle ECUs/domain controllers, in-vehicle UWB anchors for localization, plus mobile wallet OS capabilities and cryptographic key management. Representative suppliers include NXP (Trimension/NCJ29D5 automotive UWB and digital-key reference systems), Qorvo (UWB technology/solutions), STMicroelectronics (highlighting IEEE 802.15.4z security extensions for access control such as digital car keys), and module/system players such as Quectel (automotive UWB modules) and Marquardt (phone-as-a-key/entry authorization solutions). Downstream demand is driven by OEMs and Tier-1 access systems, spanning hands-free entry/start, car sharing/fleet use cases, and mobile wallet-based key provisioning and sharing.

UWB digital keys are evolving from a premium differentiator to broader deployment,

primarily because they improve both convenience and security. Compared with BLE-only passive entry systems that can be more susceptible to relay attacks, UWB's precise and secure ranging better validates true proximity, enabling reliable hands-free ?walk-up unlock / walk-away lock? behavior and more granular location-based triggers. Industry momentum is supported by standardization and interoperability: CCC Digital Key 3.0 formalizes a BLE + UWB approach, while FiRa drives certification and ecosystem alignment around UWB for digital keys. In parallel, mobile wallets and OEM partnerships are expanding, bringing digital keys to more vehicle lineups and consumer devices. Key drivers include demand for phone-centric convenience, OEM differentiation and premium experience, strong needs in car sharing/fleet permissioning (remote provisioning, revocation, time-limited access), and heightened security requirements. Headwinds include system cost and vehicle integration complexity (multi-anchor layouts, antenna design, EMC/functional safety validation), cross-brand interoperability challenges, device/OS fragmentation increasing engineering effort, privacy and key-management compliance, and the delivery/education burden across regions and after-sales networks.

This report is a detailed and comprehensive analysis for global UWB Digital Key market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global UWB Digital Key market size and forecasts, in consumption value (\$ Million), 2021-2032

Global UWB Digital Key market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global UWB Digital Key market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global UWB Digital Key market shares of main players, in revenue (\$ Million), 2021-2026

## The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for UWB Digital Key

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global UWB Digital Key market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Continental, KOSTAL, Pektron, Giesecke & Devrient, Forvia Hella, Samsung, Bosch, Ingeek, UAES, InvisPower, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market segmentation

UWB Digital Key market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

IR-UWB

DS-UWB

MB-OFDM

### Market segment by Carrier

Mobile phone

Watch

Physical UWB key

#### Market segment by Deployment Architecture

Single Node

Multi-Node

#### Market segment by Application

Passenger Car

Commercial Vehicle

#### Market segment by players, this report covers

Continental

KOSTAL

Pektron

Giesecke & Devrient

Forvia Hella

Samsung

Bosch

Ingeek

UAES

InvisPower

Desay SV

Jingwei Hirain

Linksci

Yuanfeng Technology

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 13 chapters:**

Chapter 1, to describe UWB Digital Key product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of UWB Digital Key, with revenue, gross margin, and global market share of UWB Digital Key from 2021 to 2026.

Chapter 3, the UWB Digital Key competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with

consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and UWB Digital Key market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of UWB Digital Key.

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