

TREK1000 Application Use Cases

The TREK1000 contains 4 units that can be configured as anchors or tags. To expand the system into a 6 unit topology, customers can optionally use the DecaWave EVK1000 Evaluation Kit (which contains 2 units). Various configurations and use cases are illustrated below. (Users will need an ST-Link/V2 programmer to upgrade existing EVK1000 boards).

Tracking Systems

Determine 3D location of tags relative to fixed anchors. Asset-Tracking (Healthcare, Farming, Logistics), Factory Automation



TREK1000 + EVK1000 3 Anchors & 3 Tags (3D Trilateration)



Geo-Fencing Systems Example Applications:

Determine when tags enter or leave a specific perimeter/zone. Location-Based Payments, Personal Safety (Forklifts, Drilling Machines), Child-Monitoring, Secure-My-Valuables, Security



TREK1000 + EVK1000 1 Anchor & 5 Tags



Navigation Systems Example Applications:

Track the 2D or 3D location of tags relative to fixed anchors. Robotics, Human Navigation



TREK1000



Version 1.2

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