ENABLING VAST WIRELESS CONNECTIVITY TO UNLEASH YOUR IOT POTENTIAL IN SMART TRACKING

Every second, another 127 devices are connected to the internet.

There may be 41 Billion IoT devices by 2027.

The Global Commercial Telematics Market may grow by $ 23.15 Billion between 2020-2024.

Global Asset Tracking Market may reach $32.0 Billion by 2024, growing at 14.9% CAGR.

Benefits

- Omni directional performance
- High efficiency
- Antenna which help battery power saving
- Ability to operate multiple frequencies for global tracking
- High performance antenna to avoid cellular signal interruption
- Harsh environment durability

Antenna Solutions

- GNSS product  #2118900-1
  - Small and light weight
  - Available in tape and reel packaging for automatic mounting
  - Enhance efficiency and bandwidth
  - Minimum matching circuits required
  - Bandwidth and performance are not dependent on ground plane size

- 4G Cellular / Non-cellular / LPWAN Embedded Antenna product #2367286-1, #2108994-1
  - Battery efficiency
  - Omni directional coverage
  - Can be combined with other services (multi-functional antennas) e.g. WLAN and LoRa

- 4G, 5G Cellular Antenna product #2195729-2
  - Omnidirectional coverage
  - 90 degree hinge type SMA connector terminal mount antenna
  - Wide Band coverage for 5G, 4G, 3G, 2G, NB-IoT, Cat-M, GNSS
  - No matching components required

- NB-IoT / CAT-M Antenna product #2108784-1
  - Omnidirectional coverage
  - On board SMD PCB antenna
  - Wide band coverage for 5G, 4G, 3G, NB-IoT and CAT-M with GNSS
  - Bandwidth and performance dependent on ground plane size/design suggested
  - Minimum ground plane length from antenna feed is 120mm
  - Available in Tape & Reel packaging for automatic mounting

Why partner with TE Connectivity?

- High reliability: high performance and isolation
- High efficiency: optimized throughput, minimal losses
- State of the art antenna laboratories and in-house testing

DID YOU KNOW?

A

Telematics & OBD (on-board Diagnostics)

By combining a GPS system with on-board diagnostics it’s possible to record – and map – exactly where a car is and how fast it’s traveling, and cross reference that with how a car is behaving internally.

B

Smart Assets

Digitally enabled monitoring of processes, operations and assets into an integrated system delivering improved efficiency of your business

C

Smart Logistics / Freight

Platooning trucks carry freight efficiently from the port to their destination. Smart inventory systems inform operators about when freight is moved between different locations

D

Vehicle Fleet Communication

Public transit and city fleet vehicles communicate with their home agency when it is time for maintenance or replacement

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