

CellLocate

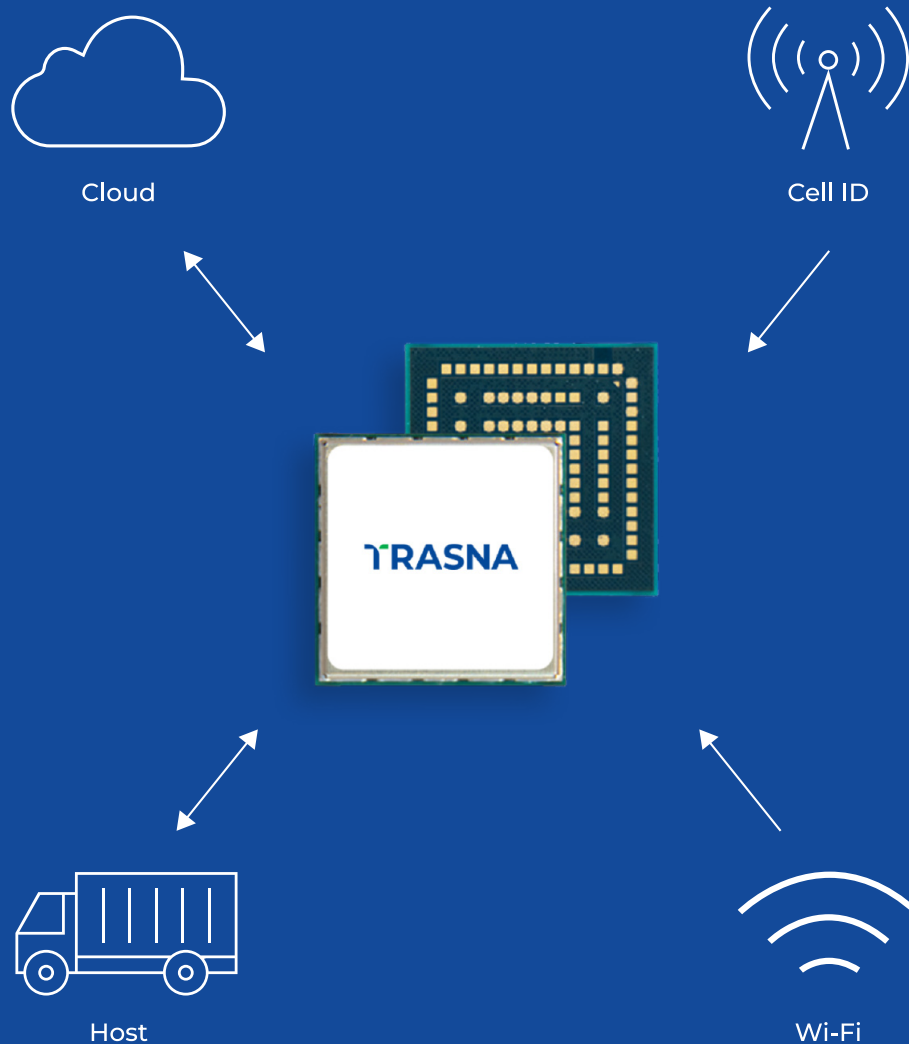
Proven, reliable, scalable location service using cellular and Wi-Fi data to deliver positioning where Global Navigation Satellite System (GNSS) is limited or unavailable.



Mobile-network-based location service

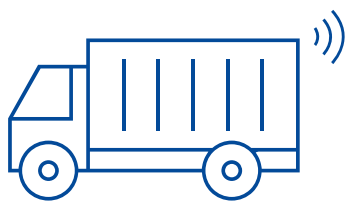
Robust mobile network-based location service

- Eliminates any “no position” scenario by using cellular and Wi-Fi network attributes
- Delivers location data where you need it, when GNSS is not available
- Ready to use: Pre-integrated with Trasna cellular hardware
- Reliable, scalable, and proven to support billions of messages



The challenges of stand-alone GNSS

A Global Navigation Satellite System (GNSS) receiver cannot determine a position when satellite signals are unavailable, such as in urban canyons, indoors, parking garages, or when GNSS jamming signals are present. For fleet asset tracking and supply chain management, it's unacceptable. On the other hand, cellular network cells and Wi-Fi access points are widely available, even in areas where GNSS signals are poor or absent.



CellLocate mobile network-based location service

CellLocate is a robust network-based location service that delivers location data where you need it, even in areas where GNSS is poor or absent, by using cellular and Wi-Fi network attributes. It is ready to use since it is embedded in Trasca cellular modems. This end-to-end solution is proven, scalable, and ready to virtually eliminate any “no position” scenario.



Global availability

End-to-end solution works independent of network operators



Embedded in CEL

End-to-end solution works independent of network operators



Eliminates any “no position” scenario

CellLocate virtually eliminates the “no position” scenario by enabling a seamless GNSS > Wi-Fi > cellular fallback logic that is typically used in an asset tracking application



Proven. Reliable. Flexible.

Reliable, scalable, and proven to support billions of messages. Underlying database improves over time



Features and details

Supported network technologies	GSM/GPRS
	UMTS/HSPA
	LTE-M and NB-IoT
	LTE Cat 1
	LTE Cat 4
Data size ¹	Uplink: 100 – 200 bytes
	Downlink: 150 bytes
Cellular products supporting CellLocate	LEXI-R10 series LTE Cat 1 bis
	SARA-R10 series LTE Cat 1 bis
	SARA-R7 series LTE-M / NB-IoT
	LEXI-R7 series LTE-M / NB-IoT
	LENA-R8 series LTE Cat 1 bis
	LARA-R6 series LTE Cat 1
	LARA-L6 series LTE Cat 4
	LEXI-R5 series LTE-M / NB-IoT
	SARA-R5 series LTE-M / NB-IoT
	LEXI-R4 series LTE-M / NB-IoT
	SARA-R4 series LTE-M / NB-IoT

¹ = Data size depends on the number of visible cells and user selected GNSS aiding data

Further information

To learn more about CellLocate service, visit www.trasna.io/celllocate

For contact information, visit www.trasna.io