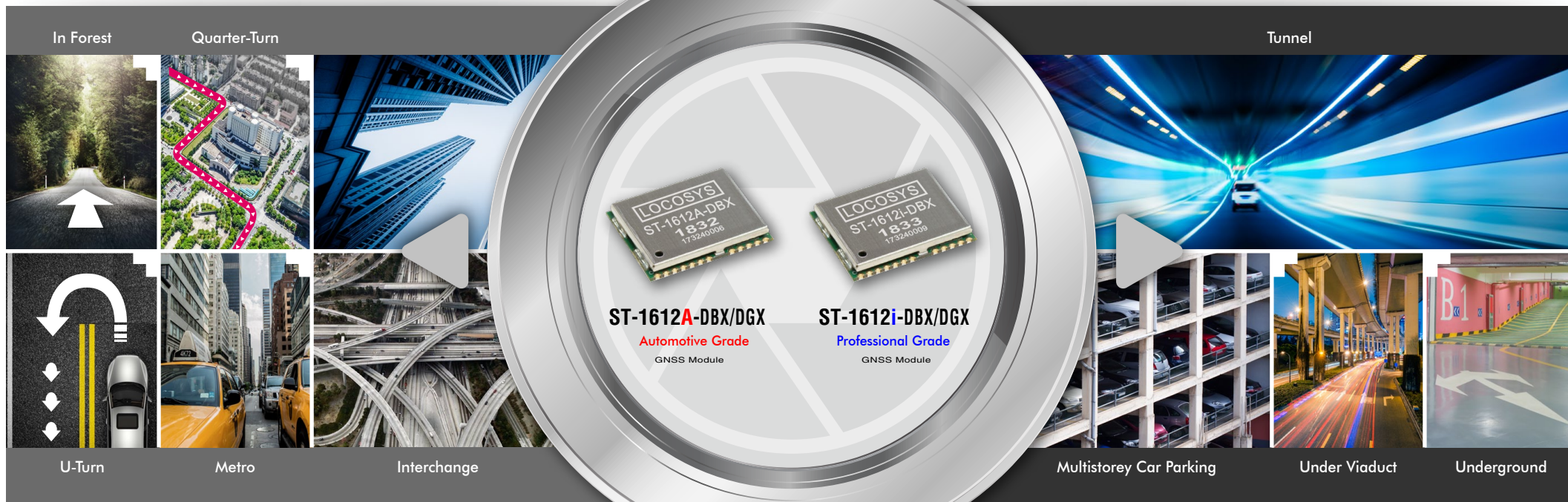


# The Seamless Positioning Embedded Solution



## ST-1612**A**-DBX/DGX GNSS Module

## ST-1612**i**-DBX/DGX GNSS Module



AEC-Q100



PPAP



IATF 16949



SAE J2945/1



Automotive Grade



PPAP



IATF 16949



SAE J2945/1



Professional Grade

**LOCOSYS**

# ST-1612A-DBX/DGX

GNSS Module



16 x 12.2 x 2.4 mm



Automotive Grade

# ST-1612i-DBX/DGX

GNSS Module



16 x 12.2 x 2.3 mm



Professional Grade

LOCOSYS officially launched **Automotive grade** module, In the tested open sky scenarios **ST-1612A-DBX/DGX** module has been able to meet V2V Spec 1.5m 1sigma accordingly to **SAE J2945/1** requirements, The module use GNSS chips and MEMS sensor fully qualified according to **AEC-Q100** and are manufactured in **IATF-16949** certified-sites. The perfect combination of Dead Reckoning and GNSS is a perfect match for automotive navigation. Combining with GNSS signal, gyro steering information and CAN-Bus speed / pulse estimation, seamless real-time accurate positioning is achieved.

## HIGHLIGHTS

- ◆ Base on ST TESEO III Engine Chip.
- ◆ Fully Automotive Dead Reckoning.
- ◆ Supported Odometer, UART and CAN bus input.
- ◆ Integrated 3D Gyro and 3D accelerometer.
- ◆ **ST-1612A-DBX/DGX** module has been able to meet V2V Spec 1.5m 1sigma accordingly to SAE J2945/1 requirements.
- ◆ Operating Temperature ranges from -40 ~ 85°C.
- ◆ LOCOSYS IATF 16949 certificated production line.



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