LTSCT Modules Integration

for 2W / 4W / EV Platforms

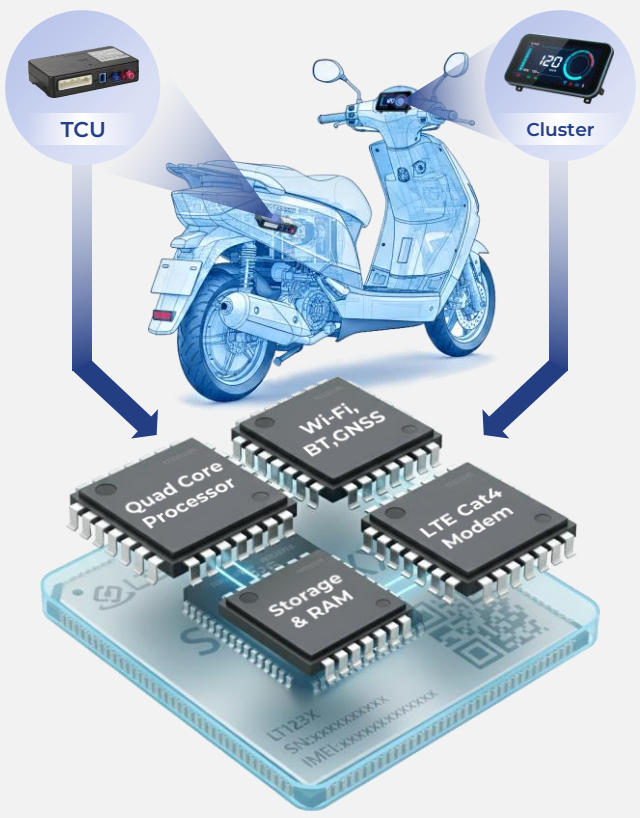
L&T SEMICONDUCTOR TECHNOLOGIES LIMITED

Scalable, Secure, and Future-Ready Connectivity by L&T Semiconductor Technologies (LTSCT)

Connected mobility is rapidly evolving from basic telematics to software-defined, data-driven vehicle platforms. Two-wheelers, passenger vehicles, and electric vehicles each impose distinct constraints on power, cost, performance, and lifecycle. LTSCT's module portfolio spanning Smart SAC20, LTE Cat 1 bis, Automotive 5G NAD and 5G RedCap modules is purpose-built to address this diversity with security, certification readiness, and long-term lifecycle assurance.

Why Modules Matter for Connected Mobility

OEMs today face rising pressure to deliver connected features faster, comply with global regulations, and future-proof vehicle platforms, all while maintaining aggressive BOM targets. LTSCT modules reduce integration complexity by combining cellular connectivity, Wi-Fi and BT connectivity, GNSS, security, and OTA readiness into certified, automotive-grade platforms.



Segment-Optimized Portfolio: A Solution for Every Road

We believe in a **"right-fit"** technology approach.

Our modules are tailored to the specific needs of different vehicle segments:

Two-Wheelers:

SAC20 and LTE Cat 1 bis modules deliver ultra-low power operation, compact footprint, optimized GNSS, and cost efficiency ideal for connected scooters and motorcycles.

Entry-Level Four-Wheelers:

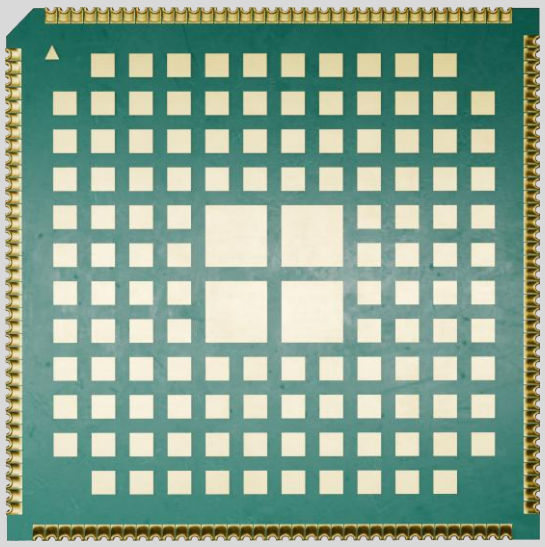
SAC20 enables reliable telematics, OTA updates, and compliance-ready connectivity for high-volume, cost-sensitive passenger and Commercial vehicles.

Premium 4W and EVs:

Automotive 5G NAD and 5G RedCap modules support higher data rates, multi-frequency GNSS, OTA scalability, CAN/OBD integration, Ethernet, C-V2X, NB-NTN and readiness for advanced digital services.

SAC20 Smart Module – Built for Scale

The SAC20 Smart Module is our answer to the industry's need for high-volume, cost-effective connectivity.



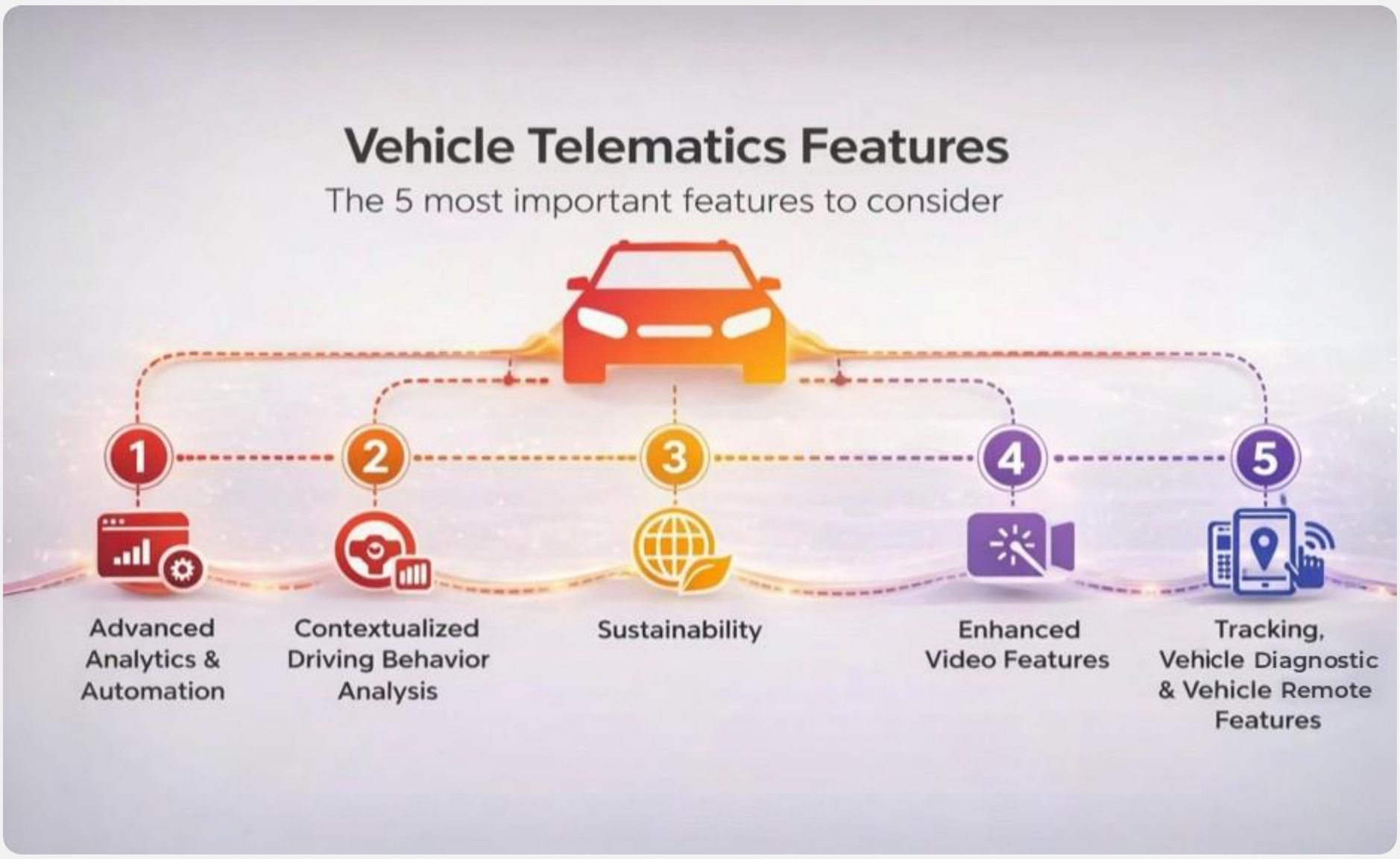
Key Technical Highlights:

- **LTE Cat 4 with Wi-Fi, BT and GNSS:** High-efficiency connectivity, High accuracy positioning.
- **Display and Camera support:** Supports wide variety of displays and cameras.
- **Integrated Security:** Hardware Root of Trust and Secure Boot.
- **Lifecycle Management:** OTA-ready for remote firmware updates.
- **Certification Ready:** Pre-validated for operator acceptance to ensure faster time-to-market.
- **Multi OS options** – Option to select Android or Yocto Linux OS.

The LTSCT Differentiators

What sets LTSCT apart is our commitment to a **"Security-by-Design"** philosophy and our focus on long-term supply assurance.

Feature	Description
Performance	RF-optimized designs with EMI and thermal validation.
Security	Hardware root of trust and eSIM/eUICC readiness.
Management	Full lifecycle control via remote diagnostics and OTA updates.
Manufacturing	**"Made-in-India"** assurance for global supply chain stability.



Value for OEMs

- Reduced integration and certification effort
- Faster SOP and global deployment
- Long-term supply assurance with Made-in-India manufacturing
- Lower total cost of ownership through lifecycle support

Use Cases

- Connected scooters and motorcycles
- Passenger and Commercial vehicle telematics & diagnostics
- EV fleet management and charging intelligence
- Insurance, fleet, and mobility service enablement

Conclusion

LTSCT modules SAC20, LTE Cat 1 bis, Automotive 5G NAD and 5G RedCap enable OEMs to deploy scalable, secure, and future-ready connected vehicle platforms across 2W, 4W, and EV ecosystems with confidence and speed.

Future. Made Together.

Ready to accelerate your connectivity roadmap?

Partner with LTSCT Modules to accelerate certification, reduce cost and launch globally.

Book a technical discussion / sample evaluation request:

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