

Smart Modules

Powering the Next Wave of Connected Innovation



In a world driven by intelligent connectivity, Smart Modules are no longer just components, but they are the catalysts of innovation. The LTSC SAC20 Smart Module integrates hardware, software, and connectivity into a single intelligent ecosystem, accelerating how the world builds, connects, and scales devices.

Designed in India | Engineered for Global Excellence

Introducing the LTSC SAC20 Smart Module an India-designed powerhouse engineered for global reliability, long-term supply assurance, and smartphone-class performance. Built to empower OEMs to develop, differentiate, and deploy next-gen connected solutions faster than ever before.

SAC20 Key Highlights – Compact Powerhouse. Global Possibilities

Feature	Description
ARM Cortex-A53 64-bit Quad-Core	Blazing performance with ultra-efficient architecture.
Wi-Fi (IEEE 802.11 a/b/g/n/ac)	Seamless, high-speed connectivity for uninterrupted operations.
Multi-GNSS (GPS/BDS/GLONASS/Galileo/QZSS/SBAS)	Precision positioning, anywhere in the world.
Dual ISP Up to 25MP@30fps	Delivers stunning imaging for smart applications.
Integrated LCD Touch Interface	Effortless native display control for interactive designs.
LTE CAT 4 2G Fallback	Always-on cellular flexibility for reliable data transmission.
Qualcomm Adreno 702 GPU	Rich, immersive graphics and next-level user experience.
Bluetooth 5.0 (BR/EDR + BLE)	Advanced, energy-efficient wireless communication.
Android 14 (upgradable to 15) & Yocto Linux	Future-proof software flexibility and platform freedom.
LCC + LGA Package	Compact form factors are engineered for scalable, high-density designs.

Optimized for



POS



Vending Machine



Industrial Handhelds



Surveillance and Smart Camera Systems

SAC20 Smart Module – Time-to-Market Accelerator Flow

The following table combines SAC20's time-to-market acceleration features and workflow, illustrating how each capability contributes to faster and more reliable deployment.

Key Enablers for Faster Deployment

Feature	Description
Pre-certified RF module	Speeds compliance & global approvals
Proven BSP for Android & Yocto	Field-validated for reliability
Pre-tested drivers & libraries	Shrink debugging timelines
Rapid Flash Utility	Enables scalable mass deployment
Dedicated on-site & remote engineering support	Seamless from concept to field rollout

Flexible Software Platforms: Android & Yocto Linux

Platform	Strengths	Typical Use-Cases
Android (GMS-Ready)	Speeds compliance & global approvals	POS, kiosks, vending terminals
Yocto Linux 5.0	Security, stability, complete system control	Industrial handhelds, gateways, surveillance

Smart Payment – Powering the Cashless Revolution

As the world shifts toward digital transactions, SAC20 empowers OEMs to build next-gen, secure, and connected payment ecosystems.



SSL-grade data encryption for uncompromised security



Compact Android-based architecture for sleek POS designs



Native interfaces for NFC, QR, biometric, and contactless payments enable the future of frictionless payments with SAC20 at the core.

Kickstart Your SAC20 Journey

Ready to redefine connected innovation?

STEP 1



Get your development kit, reference schematics, and BSP today.



STEP 2



Our expert team will guide you through an Android vs Yocto evaluation.



STEP 3



Accelerate your path to mass production using Rapid Flash technology.

Future. Made Together.

Contact us today!

Email: jrn@ltsct.com | Follow us on

L&T Semiconductor Technologies Limited is a wholly owned subsidiary of Larsen & Toubro Limited



www.ltsct.com