MIXED-SIGNAL & RF IP
World class silicon proven IP

Top Ranked Mixed-Signal IP Provider

**AFE**
Analog-Front-End IP optimized for targeted applications such as 802.11ax/ah, LTE-A, G.Fast. Comprising data-converters, PLLs, and auxiliary circuitry.

**Data Converters**
Ultra-efficient, ultra-small for high precision sensing or wide-band high-speed communications.

**Temp Sensors**
Embedded sensor IP for real-time precision temperature sensing for SoC performance optimization & characterization.

**RF**
From antenna to bits, silicon-proven RF building blocks including PAs, LNAs, mixers, VGAs and DPD algorithms targeting NB and WB communications.

**Clock IP**
Versatile programmable PLLs with low jitter, low power.

**Power & References**
Customizable PMIC solution in addition to a comprehensive portfolio of linear and switch-mode regulators, POR and reference circuitry.

---

**Application areas**
- 5G, LTE-A, 802.11ax, Wi-Fi 6E
- G.Fast, PLC
- NB-IoT, 802.11ah
- GPS, GNSS
- ADAS, imaging, video, photonics
- Precision sensing & control

---

IP-2021
Copyright © 2021 Dialog Semiconductor. All rights reserved.
www.dialog-semiconductor.com
e-mail: info-ip@diasemi.com