

CML Microcircuits (CML) is the leading authority in the design, manufacture and marketing of integrated circuits. Through many years' experience of designing both standard and full-custom products, CML excels in producing innovative solutions containing mixed signal, RF, analogue, memory, digital and DSP design. The information provided below is intended to keep you up to speed with all the new products released by CML.

Latest CML Product News:

AIS-SART Processor IC - The Future of Marine Search and Rescue

The CMX7045 is a highly-integrated and flexible baseband processor, fulfilling the needs of an AIS-SART, meeting IEC 61097-14 requirements and targeting marine AIS-SART applications. In addition to providing the core AIS-SART formatted data functionality, the CMX7045 incorporates a number of auxiliary operations that assist in the overall system implementation thereby reducing overall component count and cost.

CMX7045 AIS-SART Processor IC:

- 9600 baud GMSK modulator
- AIS-SART formatted data
- Very low-power sleep modes
- Small 48-pin VQFN/LQFP packages
- Fastest time to market.



For more information, visit the AIS-SART product overview page: [Click Here](#).

Single-chip Digital PMR Baseband Processor - dPMR System In a Chip

The CMX8341 is targeted directly at low-cost, licence-free digital PMR (dPMR) radios. Dual-mode analogue/digital PMR operation, high integration, low power consumption and small size are key factors for this market segment. The CMX8341 addresses all of these and its 6.25kHz digital mode supports FCC part 90 narrowbanding requirements.

CMX8341 Digital PMR Processor IC:

- Conforms to the ETSI standard, TS102 490
- 4FSK modulation
- Embedded RALCWI Vocoder
- Includes Air Interface protocol layers
- Lowest power solution/longest battery life for a dPMR radio.



For more information, visit the Digital PMR product overview page: [Click Here](#).

'Migrate Legacy to QAM' CMX7164 Multi-Mode Wireless Data Modem

The CMX7164 provides 4/16/64-QAM and root raised cosine 2/4FSK baseband modem functions in a single chip, replacing the current need for user-programmed DSP-plus-codec ICs. The device is a complete baseband modem system delivering high performance and high spectral efficiency for narrowband applications. These include M2M systems over dedicated channels, digital Software Defined Radio (SDR), high-speed wireless data and SCADA systems.

CMX7164 Multi-Mode Wireless Data Modem IC:

- 2/4FSK up to 20kbps in 25kHz
- QAM up to 96kbps in 25kHz
- Maintains over-air compatibility with: FX919B/MX919B and CMX7143.



For more information, visit the QAM modem product overview page: [Click Here](#).