



# MC56F826xx and MC56F827xx Digital Signal Controllers

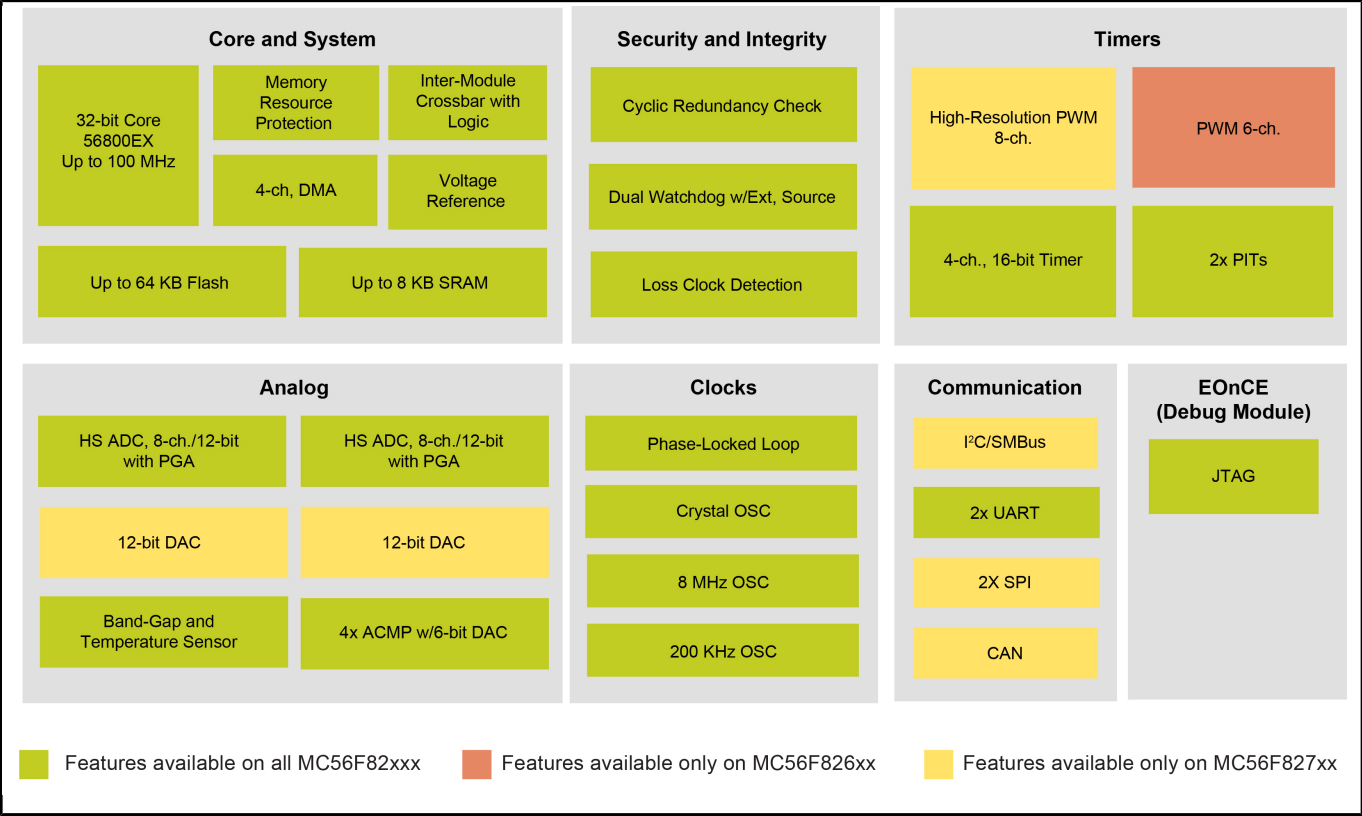
## MC56F82xxx

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The MC56F82xxx DSP MCU family offers outstanding power consumption at runtime with exceptional performance, precision, and control.

- Targets high-efficiency digital power conversion (MC56F827xx) and advanced motor control (MC56F826xx) applications
- Delivers half the power with twice the performance for energy-efficient applications
- Reduces costs through higher switching frequencies
- Increases system safety by restricting user code from accessing key memory locations and peripherals reserved for supervisor access
- Enables compact PCB design for space-constrained applications while still providing the precision and control needed

30517\_MC56F827XX\_BD Block Diagram



View additional information for [MC56F826xx](#) and [MC56F827xx](#) Digital Signal Controllers.

**Note:** The information on this document is subject to change without notice.