

セーフティとセキュリティ機能を兼ね備えた理想的なプラットフォーム

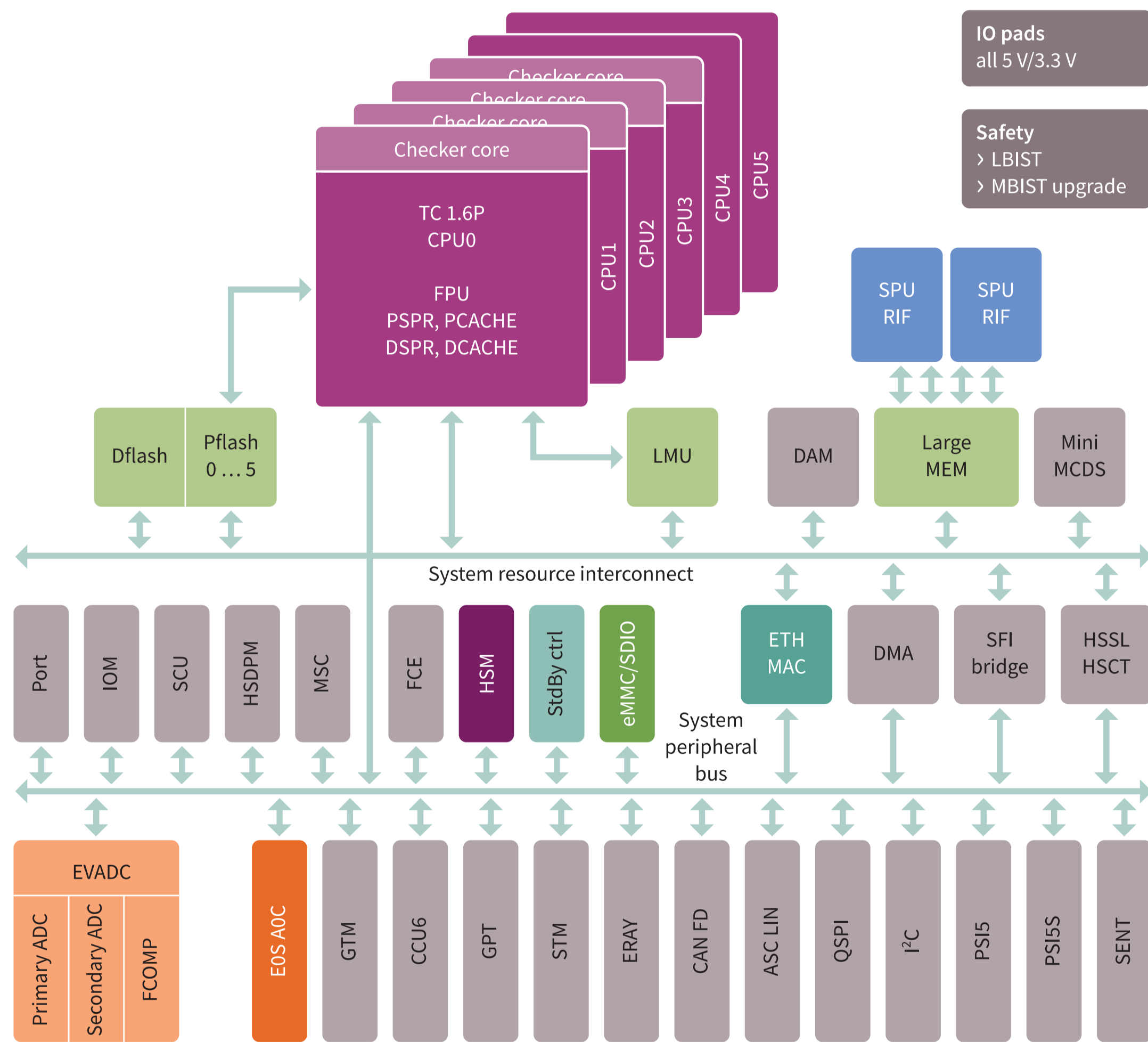
AURIX™ with its embedded safety and security features is the ideal platform for a wide range of automotive



32ビットマイクロコントローラ AURIX™ TC3xx ファミリ

AURIX™ 32-bit microcontrollers TC3xx family

AURIX™ TC3xx architecture evolution from TC2xx to TC3xx



- Performance**
 - > New TriCore™ 162 generation
 - > New instructions
 - > Up to 6 CPUs at 300 MHz
 - > New direct flash access path
- HSM: Full EVITA compliance**
 - > New accelerators ECC256/SHA256
 - > Available on all devices
- ADAS**
 - > New HW accelerator concept - SPU (Signal Processing Unit)
- ADC**
 - > Improvement of existing ADC
 - > Reduction of capacitive load
- Delta-sigma**
 - > Enhanced concept
- Memories**
 - > Larger SRAM
 - > SRAM/flash ratio increased
 - > Enhanced MPU
- Stand-by control unit**
 - > Low-power modes
- Ethernet**
 - > 1 Gbit/s ETH
 - > QoS services
 - > Remote DMA
- eMMC/SDIO**
 - > External NAND flash IF

AURIX™ TC3xx package scalability

6x 300 MHz	9xA Series 16 MB								TC397XA 300 MHz	
6x 300 MHz	9x Series 16 MB		Sense and Compute Control and Actuate						TC397X 300 MHz	TC399X 300 MHz
4x 300 MHz	Ex Series 12 MB							TC3E7QX 300 MHz		
4x 300 MHz	8x Series 10 MB							TC387Q 300 MHz	TC389Q 300 MHz	
3x 300 MHz	7xX Series 6 MB							TC377TX 300 MHz		
3x 300 MHz	7x Series 6 MB							TC375T 300 MHz	TC377T 300 MHz	
2x 300 MHz	6x Series 4 MB			TC364D 300 MHz	TC366D 300 MHz	TC365D 300 MHz			TC367D 300 MHz	
4x 300 MHz	Ax Series 4 MB							TC3A8Q 300 MHz	TC3A7Q 300 MHz	
3x 300 MHz	5xA Series 4 MB							TC356TA 300 MHz	TC357TA 300 MHz	
2x 300 MHz	3xA Series 2 MB							TC336DA 300 MHz	TC337DA 300 MHz	
1x 200 MHz ¹⁾	3x Series 2 MB	TC332L 200 MHz ¹⁾	TC333L 200 MHz ¹⁾	TC334L 200 MHz ¹⁾	TC336L 200 MHz ¹⁾				TC337L 200 MHz ¹⁾	
1x 160 MHz	2x Series 1 MB	TC322L 160 MHz	TC323L 160 MHz	TC324L 160 MHz					TC327L 160 MHz	
Flash	Package	TQFP-80	TQFP-100	LQFP-144 TQFP-144	BGA-180	LQFP-176	BGA-233	LFBGA-292	LFBGA-516	

1) An option of 300 MHz is also available

- Advanced package technologies deliver the best price/performance ratio
- Customers can choose between different devices in the same pin-compatible package