SAK-TC397XX-256F300S BC

Dual-core generation AURIX™ TC3xx system architecture

Product ordering code ▶ Product type ▶ Ordering information ▶ Quality ▶ Sustainability ▶ Tools & software ▶ Training ▶ Support

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Powerful next generation AURIX™ TC3xx system architecture.

Infineon's AURIX family of 32-bit microcontrollers is the industry's most integrated solution for automotive, industrial and mobility applications. It combines state-of-the-art technology, performance, connectivity and more scalability for optimal performance and cost. The AURIX family is the ideal platform for safety, security, electrification, connectivity and performance applications and safety microcontrollers. It is the foundation for the digital and software-based future of automotive, industrial and mobility applications. It is the foundation for the digital and software-based future of automotive, industrial and mobility applications. It is the foundation for the digital and software-based future of automotive, industrial and mobility applications.

Highlights

- Powerful TC1xx core with 150 MHz and 300 MHz clock frequency (300 MHz)
- Supporting Floating point and DSP instructions
- Up to 2 MB Flash memory
- Up to 2 MB RAM and 128 kB data memory
- **ASIL-D Ready**
- Up to 8 x 1 MBit/s, 4 x 2 MBit/s, 2 x 4 MBit/s, 2 x 5 MBit/s, 2 x 10 MBit/s, 2 x 20 MBit/s, 2 x 40 MBit/s, 2 x 80 MBit/s, 2 x 160 MBit/s, 2 x 320 MBit/s, 2 x 640 MBit/s, 2 x 1 GBit/s, 2 x 2 GBit/s, 2 x 4 GBit/s, 2 x 8 GBit/s, 2 x 16 GBit/s, 2 x 32 GBit/s, 2 x 64 GBit/s, 2 x 128 GBit/s, 2 x 256 GBit/s, 2 x 512 GBit/s, 2 x 1 TBit/s, 2 x 2 TBit/s, 2 x 4 TBit/s, 2 x 8 TBit/s, 2 x 16 TBit/s, 2 x 32 TBit/s, 2 x 64 TBit/s, 2 x 128 TBit/s, 2 x 256 TBit/s, 2 x 512 TBit/s, 2 x 1 PBit/s, 2 x 2 PBit/s, 2 x 4 PBit/s, 2 x 8 PBit/s, 2 x 16 PBit/s, 2 x 32 PBit/s, 2 x 64 PBit/s, 2 x 128 PBit/s, 2 x 256 PBit/s, 2 x 512 PBit/s, 2 x 1 EBit/s, 2 x 2 EBit/s, 2 x 4 EBit/s, 2 x 8 EBit/s, 2 x 16 EBit/s, 2 x 32 EBit/s, 2 x 64 EBit/s, 2 x 128 EBit/s, 2 x 256 EBit/s, 2 x 512 EBit/s, 2 x 1 ZBit/s, 2 x 2 ZBit/s, 2 x 4 ZBit/s, 2 x 8 ZBit/s, 2 x 16 ZBit/s, 2 x 32 ZBit/s, 2 x 64 ZBit/s, 2 x 128 ZBit/s, 2 x 256 ZBit/s, 2 x 512 ZBit/s, 2 x 1 YBit/s, 2 x 2 YBit/s, 2 x 4 YBit/s, 2 x 8 YBit/s, 2 x 16 YBit/s, 2 x 32 YBit/s, 2 x 64 YBit/s, 2 x 128 YBit/s, 2 x 256 YBit/s, 2 x 512 YBit/s, 2 x 1 RBit/s, 2 x 2 RBit/s, 2 x 4 RBit/s, 2 x 8 RBit/s, 2 x 16 RBit/s, 2 x 32 RBit/s, 2 x 64 RBit/s, 2 x 128 RBit/s, 2 x 256 RBit/s, 2 x 512 RBit/s, 2 x 1 QBit/s, 2 x 2 QBit/s, 2 x 4 QBit/s, 2 x 8 QBit/s, 2 x 16 QBit/s, 2 x 32 QBit/s, 2 x 64 QBit/s, 2 x 128 QBit/s, 2 x 256 QBit/s, 2 x 512 QBit/s, 2 x 1 SBit/s, 2 x 2 SBit/s, 2 x 4 SBit/s, 2 x 8 SBit/s, 2 x 16 SBit/s, 2 x 32 SBit/s, 2 x 64 SBit/s, 2 x 128 SBit/s, 2 x 256 SBit/s, 2 x 512 S