

Evaluation Board

Part Number: ICETEK-F28335-A



Hardware features

- TI TMS320F28335 DSP as its main processor
 - Run at 150MHz
 - High-Performance 32-Bit CPU(TMS320C28x) with a floating-point unit(FPU) inside
 - On-chip FLASH memory: 256K*16bit
 - 128-Bit security key to prevent program's illegal use
 - A/D: 16 channels, 6 channels sampling voltage ranges from -5V to +5V and the other is from 0V to 3V
 - PWM: 18 channels, up to 6 is High-Resolution PWM channels
 - 88 general-purpose input/output(GPIO) multiplexer pins
- Extended SRAM: 64K*16bit, maximum extended SRAM can be 512K*16bit
- D/A: 2 channels
- User control switches: 4
- User control indication LEDs: 4
- Reset circuit
- Standard CAN bus interface: 1
- SCI interfaces: 2, one is RS232, the other is optional, RS232 or RS485
- TLV320AIC23 stereo audio codec
- Audio input/output interfaces: 4
- Expansion connectors for all interface
- Can interoperate with ICETEK experiment tool box
- Single +5V input, Various DC regulators inside
- Dimension: 160mm×100mm

Applications

- Digital Motor Control: Servo Drivers/Motion controller, etc.
- Advanced Sensors: Electricity & electronics/Electronic Measure/Flux Measure, etc.
- Power Supply: UPS/Switching Power/Inverter, etc.
- Static Image Processing: Fingerprint recognition/Iris recognition, etc.