

(4G+2G) Mini Board

Part Number: ICETEK-OMAP3530-MINI V3



OMAP3530 Applications Processor, with the 600MHz processor of the ARM Cortex-A8 core and 430MHz of the DSP's TMS320C64x+ core. ICETEK-OMAP3530-MINI V3 (4G+2G) MINI board extends the OMAP3530 for a wide range of performance, and is widely used in portable consumer products, video surveillance, multimedia, smart devices, medical imaging, industrial control and other field.

Hardware features

- CPU: OMAP3530 Applications Processor:
 - PIN-TO-PIN compatible series of OMAP35x processor
 - 600MHz ARM Cortex-A8 core
 - 430MHz TMS320C64x+ DSP core
 - Chip memory for the ARM CPU (16KB I-Cache, 16KB D-Cache, 256KB L2 Cache) and on-chip memory (64KB Shard SRAM, 112KB ROM)
- Memory:
 - 256MByte 32bit mDDR, 166MHz
 - 512MByte 16bit NAND Flash
- Peripheral Interface:
 - TV/S-Video Interface: 1
 - HDMI Interface: 1, support DVI-D output
 - Audio Input Interface: 1
 - Audio Output Interface: 1
 - DB-9 Interface: RS232 Level
 - USB2.0 OTG Interface: 1, High-speed, 480Mbps
 - USB2.0 HOST Interface: 1, High-speed, 480Mbps
 - SD/MMC Interface: 1, support 3.3V and 1.8V
 - DC 5V \pm 5% 1A, or power supply through the USB OTG
 - 14PIN JTAG Interface, 1.8V level
 - User Button
 - Reset: 1
 - User's LEDs: 4
 - ETH Interface: 1

- Expansion Interface:
 - GPMC Expansion Interface: 1
 - I2C Interface: 2
 - McSPI Interface: 2
 - McBSP Interface: 2
 - SD/MMC Interface: 1
 - CAMERA Interface: 1, External CCD and CMOS camera
 - 6×6 Keyboard Interface: 1
 - A 24bit true color LCD interface, support resolution 2048×2048

- Electrical Characteristics:
 - Board Size: 3 inch ×3 inch (76.2mm×76.2mm)
 - Input voltage: +5V
 - Power: 0.5A@5V
 - Operating temperature: -40~+80°C (Chip support)
 - Operating humidity: 20%~90%