

A-T1000-V2 DATASHEET

- Drives 13.3" ACeP EPD panel
(Operating temperature: 15 ~ 35 °C)
- Tcon Operating Temperature: 0~40 °C
- Mechanical
 1. 6 layer PCB
 2. 100mm x 50mm x 8.4mm
- Power Supply: 5V DC, 3A
- EPD Controller
 1. 32-Bit RISC Microcontroller
 2. OpenRISC basic instruction set (ORBIS32)
 3. 8KB instruction cache
- RAM
 1. Built-in 128Mb/512Mb DDR2-SDRAM
 2. Embedded 64MB RAM
 3. External 16MB flash memory
- External Interfaces
 1. Micro USB for control and data
 2. UART debug interface
 3. TTL EPD panel interface
 4. 5V connector
- Internal Interfaces
 1. I2C for programming of on-board devices (temp sensor)
 2. SPI interfaces
- MIPI-DSI Receiver
 1. Standard RGB/YCbCr image input
 2. Supports image capture
 3. Supports 1/2/4/8 interleave modes
- Source / Gate Driver Interface
 1. Supports up to 8192x8192 resolution (limited frame rate)
 2. Supports 8/16-bit source driver data bus
 3. TTL interface for driver
- Display Engine
 1. Supports partial-region display
 2. Supports up to 63 pipelines
- LUT support: Supports LUT up to 4096 frames