

Features

- High performance, Low power AVR 8-bit microprocessor
- Built-in 64KB Flash memory / 4KB SRAM
- On board updateable 128KB EEPROM
- One isolated RS485 / 422 / 232, 1 x RS232
- High speed SPI and I²C
- Lower voltage operation to 3.3V
- Built-in 4-wired resistive touch panel
- 240 x 128 monochrome STN LCD
- On-chip power-on reset(POR) and programmable watchdog reset
- Comprehensive set of development tools and application notes for self programming
- RS485 / 422 / 232 driver, SPI driver, I²C driver, Touch panel driver , LCM driver and Utility are supported

Hardware Specifications

Processor

- High performance,Low power AVR 8-bit microprocessor

Memory

- 64KB In-system programmable flash
- 2KB Internal EEPROM
- 4KB Internal SRAM
- 64KB x 2 External I²C CMOS EEPROM (option: 64KBx3)

Display Interface

- Support 8-bit single scan with resolution 240 x 128 Monochrome STN LCD,edge LED white backlight only

Serial Port

- Support dual serial port ,one is three-wired RS232, another is shared with RS422 and RS485 port

RS232 / 422 / 485 Port

- Support one port shard between with RS232 isolated RS422 and isolated RS485

Serial Peripheral Interface

- One full-duplex, three-wired synchronous data transfer SPI port
- One two-wired serial interface (I²C) to 250 KHz data transfer speed

Touch Panel Interface

- Support four-wired resistive touch panel interface

Software Utilities

- Support RS232 / 422 / 485 driver . SPI driver . I²C driver . Touch panel and LCM driver

DC Requirement

- DC3.3V~5.5V