BE657
μp Display Embedded System

Microchip PIC32	64	5.7"			MicroSD	GPIO	RS-485	RS-422	RS-232	I²C	5V~24V	-20°C~70°C

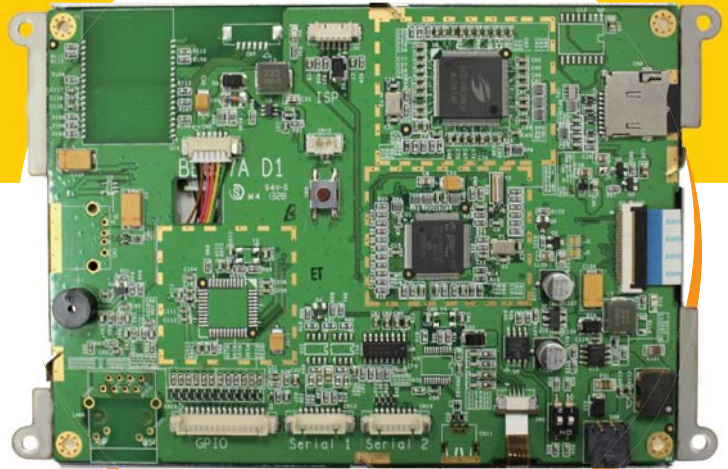## Features

- High performance, PIC32 32-bit microprocessor
- Built-in 512KB ISP flash memory, 64KB SRAM
- Support micro SD
- 1xRS232, 1xSPI, 1xI²C
- 1xRS232/422/485/USB port (selected one from four)
- 1xADC, 12xGPIO
- Built-in Buzzer

- 5.7" TFT-LCD with 640x480 resolution (320X240 optional)
- Comprehensive set of device library and programming guide for self programming
- RS232/422/485/USB driver, SPI driver, I²C driver, touch panel driver, TFT driver are supported
- Dimension (WxHxD): 164x106x29mm
- Weight: 310g

Hardware Specifications

Processor
- Microchip PIC32 32-bit microprocessor

Memory
- 512KB in-system programmable flash
- 64KB internal SRAM
- 16KB EEPROM

Display
- 5.7" TFT panel 640X480 VGA
- 5.7" TFT panel 320X240 QVGA (optional) Support 256K color TFT at 18bpp mode
- With LED Backlight

Serial interface
- One full-duplex, four-wired synchronous data transfer SPI port
- One two-wired serial interface (I²C) up to 400KHz data transfer speed

RS232/422/485/USB port
- RS232 (standard)
- RS232/422/485/USB Port (selected one from four)
- Support dual serial port, one is three-wired RS232, the other is selected from RS232/422/485/USB port

External I/O
- Support ADC (1 x channel, 10 bits Resolution)
- Support GPIO (12 x GPIO)

Touch Panel Interface
- Support four-wired resistive touch panel interface

Software Utilities
- Support RS232/422/485/USB driver, SPI driver, I²C driver, touch panel driver, and TFT driver for free

DC Requirement
- DC 5.0V~24V

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