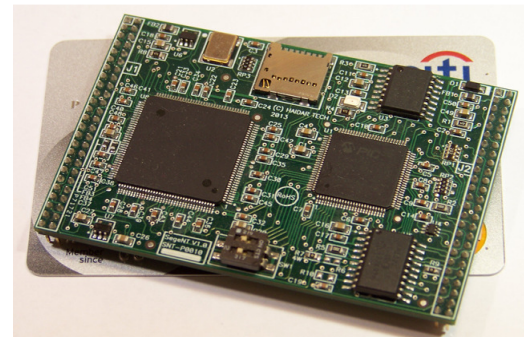


SegeNT Embedded LCD GUI Controller

Bring Your Product to Life... Fast...



SegeNT Embedded GUI Controller Board

Product Specifications:

Product Part #	SegeNT
Main Controller	PIC32 @ 80MHZ
Graphic Controller	Epson S1D13748
LCD Support	TFT with Digital RGB interface
LCD Resolution	QVGA, WQVGA, VGA, HVGA and WVGA
Colors	65,536 or 16bpp
Touch Screen	4-wire, 5-wire Resistive and Capacitive TP
Audio	Mono Audio Output
Flash Memory	16Mbytes
Digital I/O	8
Analog Inputs	8 @ 10bit
PWM	2
Board Area	50X76 mm
Brightness Control	ON/OFF and Digital POT
Operating Temp	-20° C to 85° C
Supply Voltage	3.3VDC
Supply Current	150mA Max
Interface Connector	Two 50-pin 2mm Headers
Interface	Serial RS232 @ 3.3V CMOS
RoHS	Yes

The **SegeNT** Board provides a complete Graphical User interface controller for embedded systems. **SegeNT** includes everything you need to drive TFT LCD (up to 800X480 and at 16bpp) with touch panel. It just needs to be attached to a simple display interface board and the human interface is ready for production.

Features

- Powerful set of GUI Objects, including: Form, Button, BarGraph, Chart, NumberBox, TextBox, PictureBox, Slider, Needle and Shape.
- Advanced Object Oriented Architecture enables low cost MCU as system host using UART (RS232) interface.
- Supports TFT color LCD displays of various sizes and up to WVGA (800X480).
- True color or 16 bit per pixel (bpp) color depth.
- Three independent graphic layers (Screen, Window1 and Window2) support.
- Alpha blending and transparency support.
- Window's Bitmap support with rotation and mirror.
- Anti-Aliased (2bpp) and normal (1bpp) fonts support.
- SD card FA16 file system support. GUI project can be programmed directly from the SD card.
- 64KB Flash memory for user application.
- Mono Audio channel with PWM output.
- Built-in Sound Generator.
- User defined Audio Play Back files.
- Resistive and Capacitive touch screen support.
- Back light brightness control.
- Digital I/O, Analog inputs and PWM support.
- 16Mbyte flash memory for GUI, fonts and bitmaps storage.
- Simple UART serial interface.
- No missing touch events!
- Fast graphic rendering.

Get Started with an Evaluation Kit:

To get started with SegeNT, order part number EVK-SegeNT. It includes everything you need to start your GUI development fast and easy.

Please, visit our website www.HaidarTechnology.com or call (614) 389-3022 for more information or to place an order.

Haidar Technology, LLC. reserves the right to make changes in design or specification at any time and without notice.