Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Instant GUI 4.3" Touch Screen LCD Kit

uEZGUI-2478-43WQS
for the NXP LPC2478

Highlights

Features

- Sharp 4.3" TFT WQVGA 480 NIT LCD Panel with integrated Touch Screen
- NXP LPC2478 CPU running at 72MHz (with 512KB internal Flash)
- 8MB of SDRAM (opt to 32MB)
- 8MB of NOR FLASH (opt to 16MB)
- 2GB microSD Memory Card
- NV Data Storage via I2C EEPROM
- USB Device Mini-B for power and PC communications
- Low power, Real-Time Clock with Supercap Backup
- Speaker, 3-axis Accelerometer, Temperature Sensor
- Mini-JTAG Debug Connector
- Fine Pitch I/O Connector for External Expansion
  - ➢ Serial Ports, UART, I2C, SPI, USB Host/Device
  - ➢ RMII interface for Ethernet 10/100

Software

- uEZ® / FreeRTOS Rapid Development Platform
- uEZ® GUI enhancements with Nano-X/FLNX
- MicroSD card maps as USB Flash Drive to the PC
- Support for customer down load of logos, JPEG images and menu keys
- Rowley CrossWorks Compiler and Tool Suite
- Segger J-Link Lite JTAG for programming and debug

Rowley Associates

SEGGER

FDI Future Designs, Inc.
Your Development Partner

The NXP LPC2478 ARM7TDMI-S based microcontroller runs the open source uEZ® + FreeRTOS software platform. The LPC2478 has 512KB of internal Flash memory, 96KB of internal SRAM, a 10/100 Ethernet Media Access Controller (MAC), a USB full speed device/host/OTG controller, four UARTs, two CAN channels and a collection of serial communications interfaces. The uEZ GUI board also includes 8MB of external SDRAM and 8MB of external NOR Flash.
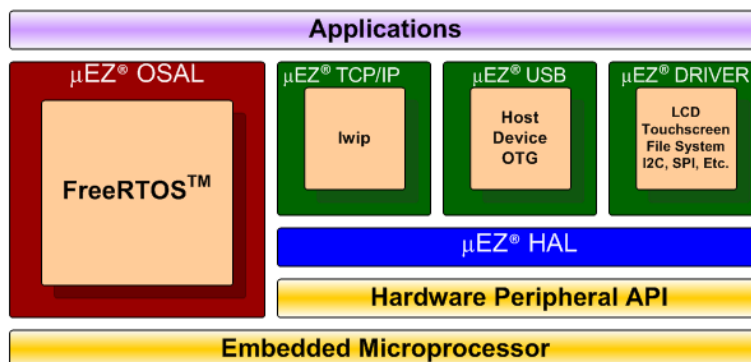
Software Included

µEZ® (pronounced Muse) is an open source rapid development platform that supplies application developers with an extensive library of open source software, drivers, and processor support - all under a common framework. µEZ® allows companies to focus on innovation and their value-added applications while minimizing development time and maximizing software reuse.

The diagram below shows a typical embedded application stack. The µEZ® components comprise three primary categories to simplify embedded application development:

- Operating System Abstraction Layer (µEZ® OSAL)
- Sub-system drivers (ex: µEZ® TCP/IP, µEZ® USB, µEZ® Driver)
- Hardware Abstraction Layer (µEZ® HAL)

The **uEZGUI-2478-43WQS** is designed to be used as an "off-the-shelf" Graphical User Interface (GUI) or Human Machine Interface (HMI) in a variety of end customer applications. The miniature, self-contained design is well suited to be embedded directly into your product or FDI offers prepackaged versions for stand-alone use. FDI also offers low cost customization services for customer specific hardware, software or packaging applications at volumes of 500 units or more.

Part Number: uEZGUI-2478-43WQS
Order Online at: www.digikey.com

Warranty: 30-day money back guarantee
Phone 256-883-1240   Fax 256-883-1241
                    www.teamfdi.com

Kit Contents:
- uEZ® GUI 4.3" Board with LPC2478
- Sharp 4.3" WQVGA Touch Screen LCD
- USB Device cable for Power and PC communications
- Mini JTAG Debugger with cables
- uEZ® / FreeRTOS E-Book on microSD card

Download Users Manual, documents, schematics, and software examples at: www.teamfdi.com/uEZGUI

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Your Development Partner