FDI

3.5" Resistive Touch Screen LCD GUI

µEZ GUI

3.5 4WR

The uEZ GUI provides everything you need right out of the box to have a touch screen GUI instantly in your project.

Each uEZ GUI unit is available in two convenient forms. To get your project started quickly we offer a full development kit complete with JTAG debugger, power supply, cables, a microSD card and full documentation. The Dev Kit Part Number is **uEZGUI-RX62N-35QT**. Once your design is complete, we also offer a cost-effective production module for prototypes or even for high volume production. The module includes the touchscreen display, all of the necessary hardware, and is supported by the uEZ® / FreeRTOS™ open source software. The uEZ GUI module is available off-the-shelf from any of our franchised distributors under Part Number **uEZGUI-RX62N-35QT-BA**.

Module <$70 in volume!

Features

- Tianma 3.5" TFT QVGA Touch Screen LCD (320x240)
- Renesas RX62N CPU with 512KB internal Flash
- 2MB SDRAM
- 2GB microSD Memory Card
- USB Device Mini-B for 5.0VDC power and PC communications
- On-board Speaker
- Mini-JTAG Debug Connector
- Actual Size: 3.1" x 3.05" x 0.54"
- External Expansion via 50-pin I/O Connector
    -UART, I2C, SPI, USB Host/Device, RMII Ethernet

PLATINUM PARTNER
RENESAS

freeRTOS™

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www.teamfdi.com
(256) 883-1240

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Module Specifications

• Module P/N: **uEZGUI-RX62N-35QT**
• Contrast Ratio: 350 typical
• Luminance: 350 cd/m2 typical
• Viewing Angle Horizontal: 60° L / 60° R
• Viewing Angle Vertical: 40° U / 60°D
• Power consumption typ/max: 250/500mA @ 5.0VDC
• Operating Temperature Range: -20°C to +70°C

• Overall Size: 3.1"W x 3.05"H x 0.54"T
• Viewable area: 2.76"W x 2.07"H
• Weight: 70g
• Touch Resolution: 320x240

The **uEZGUI-RX62N-35QT-BA** is the stand alone System On Module version and is priced at less than $70.00 in volume. This unit 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 embed directly into your product or FDI offers prepackaged versions. FDI also offers low cost customization services for customer specific hardware, software or packaging applications at volumes of 500 units or more.
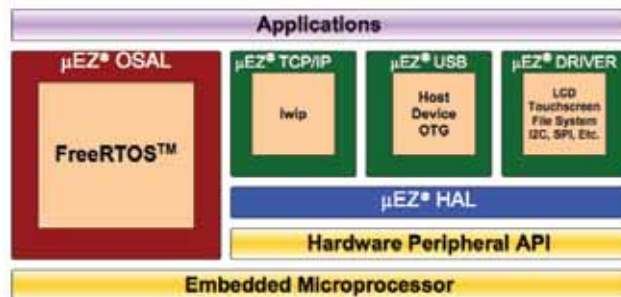
Software

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 to the right 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)

Software Included:
• uEZ® / FreeRTOS Rapid Development Platform
• uEZ® / SafeRTOS option for Medical/Safety Apps
• Renesas HEW IDE with C / C++ Compiler available from Renesas
• Segger J-Link Lite JTAG for programming and debug
• Customized versions available

Ordering Information

Kit Part Number: uEZGUI-RX62N-35QT
Suggested Resale Price: $199.00(USD)
Order Online at: www.uEZGUI.com or from any
of our franchised distributors

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

Kit Contents

Kit Contents:
• uEZGUI-RX62N-35QT-BA Production Module
• USB Device cable for power
• Mini JTAG Debugger with cables
• Micro SD Card

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

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