

Instant GUI 3.5" Touch Screen LCD Kit



uEZGUI-RX62N-35QT
for Renesas RX600 Family



Highlights

Features

- Tianma 3.5" TFT QVGA Touch Screen LCD (320x240)
- Renesas RX62N CPU with up to 512KB internal Flash
- USB Device Mini-B for power and PC communications
- 2MB SDRAM
- 2GB microSD Memory Card
- 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
 - Serial Ports, UART, I2C, SPI, USB Host/Device



Software

- uEZ[®] / FreeRTOS Rapid Development Platform
- uEZ[®] / SafeRTOS option for Medical/Safety Apps
- microSD card Read/Write Support
- Renesas HEW Compiler and Tool Suite
- Segger J-Link Lite RX JTAG for programming and debug
- MIDI Player
- Customized versions available



FDI *Future Designs, Inc.*
Your Development Partner



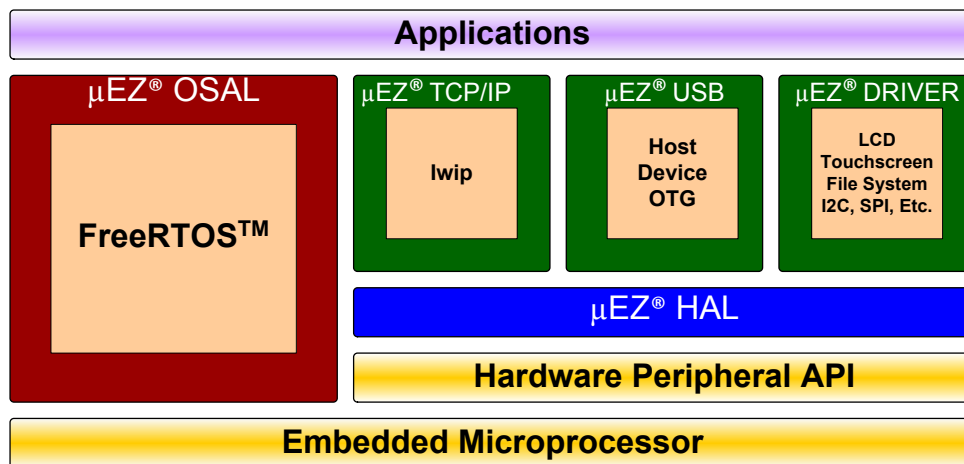
The **uEZGUI-RX62N-35QT** includes a 96MHz Renesas RX62N microcontroller running the open source **uEZ® + FreeRTOS** software platform. The RX62N has 512KB of internal Flash memory, 96KB of internal SRAM, a 10/100 Ethernet Media Access Controller (MAC), a USB full speed device/host/OTG controller, up to six UARTs, one CAN channels and a collection of serial communications interfaces.

Software Included

uEZ® (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. **uEZ®** 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 **uEZ®** components comprise three primary categories to simplify embedded application development:

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



The **uEZGUI-RX62N-35QT** 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 for stand-alone use (for example, the **uEZGUI-RX62N-35QT-BA** is available for < \$100.00 in volume). FDI also offers low cost customization services for customer specific hardware, software or packaging applications at volumes of 500 units or more.

Ordering Information

Part Number: **uEZGUI-RX62N-35QT**
Suggested Kit Resale Price: **\$199.00 USD**
-BA Complete Module **\$70.00** in volume
Order Online at: www.teamfdi.com

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

Kit Contents:

- **uEZ® GUI 3.5” Board with RX62N**
- **Tianma 3.5” QVGA Touch Screen LCD**
- **USB Device cable for Power and PC communications**
- **Mini JTAG Debugger with cables**

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



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