# Instant 4.3" Touch Screen Graphical User Interface Module

**uEZGUI-43-H01 Fully Enclosed 4.3" Unit**

## Highlights

### Features

- Touch Screen Sharp 4.3" TFT WQVGA LCD (480 x 272)
- 8MB of SDRAM  (optional to 32MB)
- 8MB of NOR Flash  (optional to 16MB)
- NXP LPC1788 CPU with 512KB internal Flash
- 2GB microSD Memory Card (optional to 32GB)
- NV Data Storage via 4KB Internal EEPROM
- Internal Real-Time Clock with Supercap Backup
- Speaker, 3-axis Accelerometer, Temp Sensor
- RS232/RS485 Serial communication via DB9
- USB Host and USB Device Ports
- 10/100 Ethernet with status LEDs
- DC Power Jack for external 7-24V Wall Power
- Optional Wi-Fi and Power over Ethernet versions available
- Optional Boot Loader for firmware updates via microSD or USB

### Software

- uEZ® / FreeRTOS Rapid Development Platform
- uEZ® / SafeRTOS option for Medical/Safety Apps
- MicroSD card maps as USB Flash Drive to the PC
- Rowley CrossWorks Compiler and Tool Suite
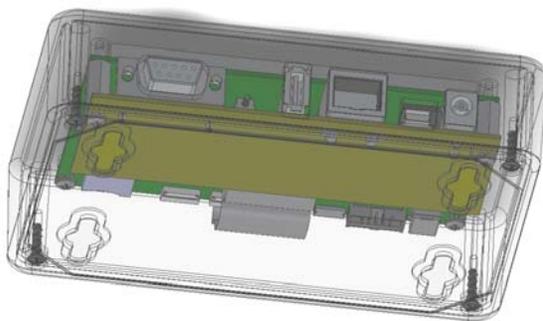- Customized versions available

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# Overview

Upgrading your product to a modern touch screen graphical user interface (GUI) just got easier with the uEZ GUI Family. The **uEZGUI-43-H01** provides everything you need in one convenient package. Our extensive worldwide distribution network includes major players like Avnet, Digi-Key and Mouser. So whether you need one unit or a thousand units, you can be in production quickly with local support, consigned inventory and even flexible payment terms. Volume discounts are also available.

The **uEZGUI-43-H01** combines our **uEZGUI-1788-43WQR-BA** and **uEZGUI-EXP1** together in a sleek ABS plastic enclosure to create a powerful self-contained unit. The **uEZGUI-43-H01** comes pre-assembled and is ready to be used out of the box. Our uEZ / FreeRTOS Rapid Development Platform provides all of the typical drivers and firmware needed for most commercial applications in an open source, no cost package. Our uEZ / SafeRTOS platform is perfect for Medical or Safety Critical applications and runs on the same uEZ GUI Family hardware. We also offer optional Wi-Fi and Power over Ethernet (POE) options for additional flexibility. Ask about our uEZ+ Boot Loader to allow easy customer application firmware updates in the field via either the microSD card or a USB Flash drive.

FDI offers a Quick Start service to help get your new application up and running fast (in many cases this may only take a few weeks). Our emWin GUI experts are available to help customize your User Interface, and our hardware team can design Expansion or Interface Boards to suit almost any requirement.

### Mechanical Specifications

- Dimensions: 5.55"L x 3.79"W x 1.25"H
- Weight: 270g
- Four 4 backside mounting holes for wall mount applications
- Temperature Range: -10 to +70 degrees C

# Ordering Information

**Part Number: uEZGUI-43-H01**
**Suggested Resale Price: $350.00 (USD)**
**Volume Pricing is available**
**Order Online at:  www.teamfdi.com/uezgui**

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

**Kit Contents:**
**- uEZ GUI 4.3" Board Assembly with LPC1788**
**- Sharp 4.3" WQVGA Touch Screen LCD**
**- uEZ GUI Expansion Board with ETH/USB/Serial**
**- Black ABS Plastic Enclosure, customization available**

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

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