# 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















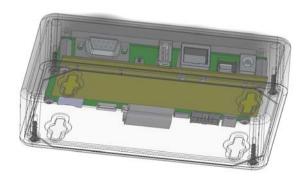


## Overview

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 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 preassembled 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

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



