

Instant Graphical User Interface Solutions

Why you need a new User Interface

- ▶ Thanks to the iPhone® & Smart Phones
- ▶ Customer GUI expectations have changed
- ▶ Monochrome character LCDs and button style keypads are no longer acceptable
- ▶ In today's market, even embedded products need a sleek, stylish GUI
- ▶ A well implemented color TS GUI reduces operator errors & improves productivity
- ▶ But how do you get from here to there?



uEZ® GUI Family

Instant Graphical User Interface

- ▶ Off the Shelf options for GUI / HMI
- ▶ Fully integrated HW & SW solution
- ▶ Quick time-to-market
- ▶ Can be the main CPU or just a slave GUI
- ▶ Standard versions available in distribution stock
- ▶ Customization options for volumes of 500 units or more
- ▶ Cost effective even for high volume applications



Easily upgrade the User Interface in your embedded product

uEZ® GUI Family

Instant Graphical User Interface



- ▶ **Multiple processor options**
- ▶ **Various LCD sizes like 3.5 / 4.3 / 5.7 / 7.0"**
- ▶ **Touch Screen 4 or 5 wire resistive**
- ▶ **Cap Touch options also available**
- ▶ **Expansion Boards available for common I/O functions**
- ▶ **Plastic and machined housings available**
- ▶ **Available as Dev Kits and as cost effective volume assemblies**

Easily upgrade the User Interface in your embedded product

uEZGUI-1788-70WVT Features

TOUCH SCREEN LCD GUI

-BA less than \$200 in volume

- ▶ 7.0" WVGA TFT LCD
- ▶ 4-Wire Resistive Touch Screen
- ▶ NXP **LPC1788** Microcontroller
- ▶ 8MB External SDRAM
- ▶ 8MB External NOR Flash
- ▶ microSD Memory Card
- ▶ USB Device Port for comm
- ▶ 2nd USB Port for +5VDC power
- ▶ Real Time Clock with SuperCap backup
- ▶ 3-axis Accelerometer , Temp Sensor
- ▶ Mini JTAG Connector



Optional Features

- ▶ 802.11n Wi-Fi module
- ▶ 128Mbit Serial Memory



Future Designs, Inc.
Your Development Partner

uEZ® GUI 7.0

LPC1788 PCB Assembly



PCB dimensions: 6.70" x 5.20"
Mates directly to back of 7.0" LCD

uEZ® GUI 7.0

Development Kit Contents

- ▶ uEZ® GUI PCB Assembly
- ▶ 7.0" TFT WVGA LCD
- ▶ Stylus for touch Screen
- ▶ USB Cable
- ▶ Documentation on microSD Card
- ▶ Quick Start Guide
- ▶ Graphical User Interface demos
- ▶ Segger J-Link Lite Debugger



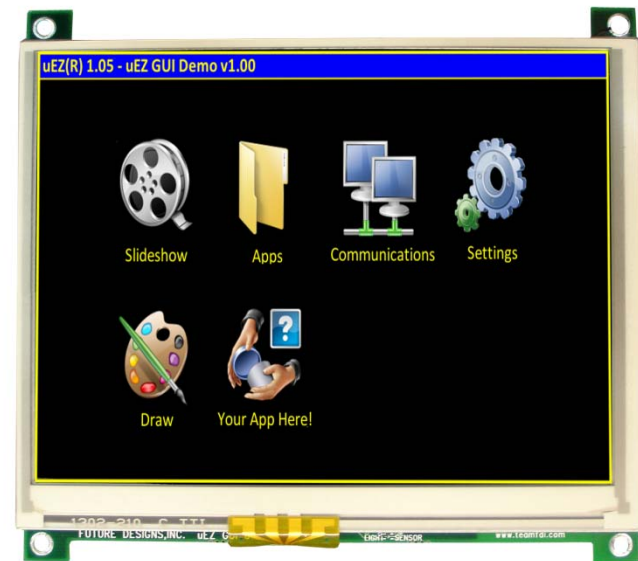
P/N uEZGUI-1788-70WVT
Resale Price \$405.00

uEZGUI-1788-56VI Features

TOUCH SCREEN LCD GUI

- ▶ 5.6" VGA TFT LCD
- ▶ 4-Wire Resistive Touch Screen
- ▶ NXP LPC1788 Microcontroller
- ▶ 8MB External SDRAM
- ▶ 8MB External NOR Flash
- ▶ microSD Memory Card
- ▶ USB Device Port for comm
- ▶ 2nd USB Port for +5VDC power
- ▶ Real Time Clock with SuperCap backup
- ▶ 3-axis Accelerometer , Temp Sensor
- ▶ Mini JTAG Connector

-BA less than \$200 in volume



Optional Features

- ▶ 802.11n Wi-Fi module

uEZGUI-1788-43WQR Features

TOUCH SCREEN LCD GUI

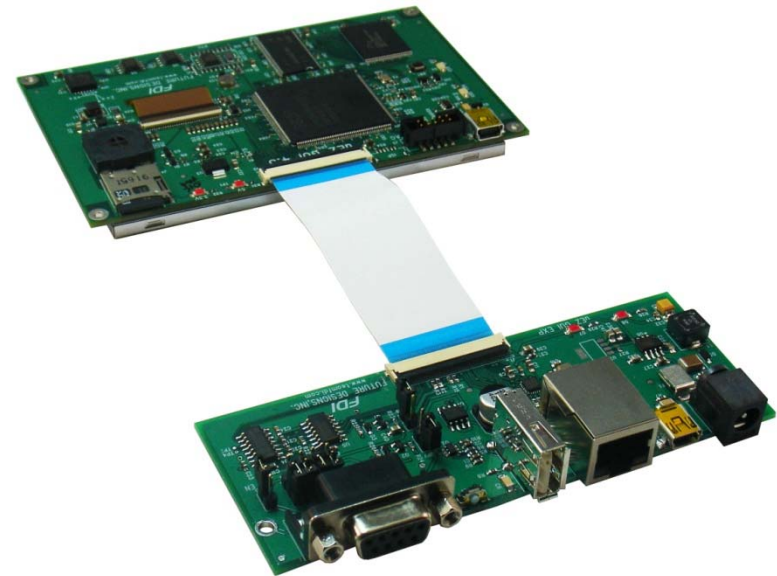
-BA less than \$150 in volume

- ▶ 4.3" WQVGA TFT LCD
- ▶ 4-Wire Resistive Touch Screen
- ▶ NXP **LPC1788** Microcontroller
- ▶ 8MB External SDRAM
- ▶ 8MB External NOR Flash
- ▶ microSD Memory Card
- ▶ USB Device Port for power & comm
- ▶ Real Time Clock with SuperCap backup
- ▶ 3-axis Accelerometer, Temp Sensor
- ▶ Mini JTAG Connector



uEZ® GUI with Expansion Board

- ▶ Expansion Board, P/N UEZGUI-EXP1, Price \$79.00
 - Compatible with all uEZ GUI Kits
 - Ethernet, USB Host, RS232/RS485 and AC Power options
 - DALI and DMX Lighting Demos?



uEZ® GUI 4.3 in OEM Enclosure

- ▶ Custom Enclosure for OEM Applications
 - Volume pricing and OEM customization options available
 - Front label can be branded for volume customers
 - Easily modified with cost effective prototypes in 6 weeks or less

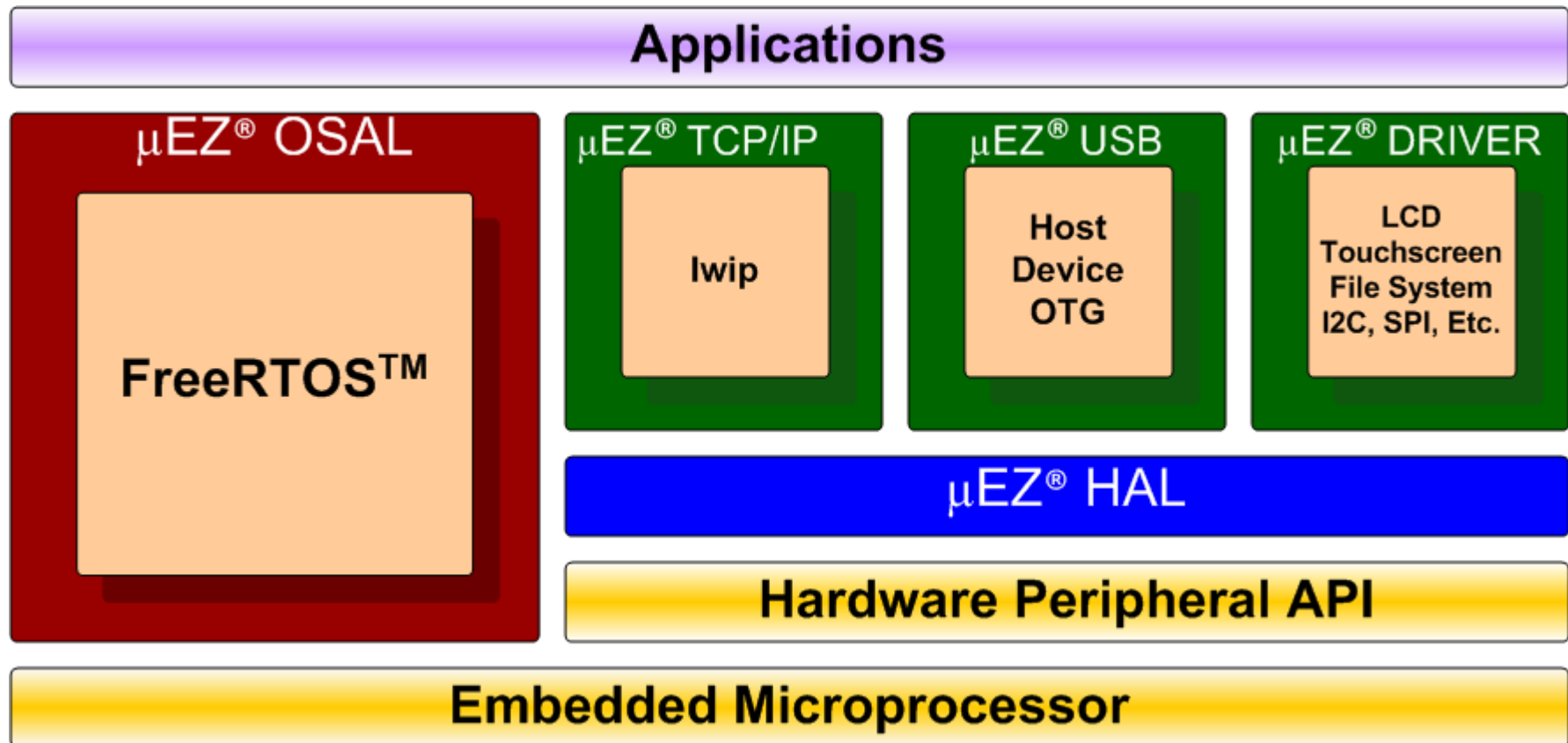


uEZ® GUI 7.0 in uTABLET Enclosure

- ▶ Machined AL Housing for OEM Applications
 - Volume pricing and OEM customization options available
 - DALI, DMX, RS485 and I2S Audio for SSL demo support
 - Rechargeable Li-Ion Battery Pack



What is μ EZ[®]



SafeRTOS also available for medical, intrinsic safety , industrial applications

Standard uEZ® GUI Products In Stock

Sell these units for easy Off-the-Shelf Design Wins

Part Number	LCD Size	CPU	Description	Availability	Price
UEZGUI-1788-43WQR	4.3" WQVGA	NXP LPC1788	Development Kit - JTAG, cables, documentation	Stock	\$299.00
UEZGUI-1788-43WQR-BA	4.3" WQVGA	NXP LPC1788	Board Assembly with touch screen LCD	Stock	\$150 - \$220
UEZGUI-1788-70WVT	7.0" WVGA	NXP LPC1788	Development Kit - JTAG, cables, documentation	Stock	\$405.00
UEZGUI-1788-70WVT-BA	7.0" WVGA	NXP LPC1788	Board Assembly with touch screen LCD	Stock	\$200 - \$300
UEZGUI-1788-56VI	5.6" VGA	NXP LPC1788	Development Kit - JTAG, cables, documentation	Stock	\$375.00
UEZGUI-1788-56VI-BA	5.6" VGA	NXP LPC1788	Board Assembly with touch screen LCD	Stock	\$200 - \$300
UEZGUI-RX62N-35QT	3.5" QVGA	Renesas RX62N	Development Kit - JTAG, cables, documentation	Stock	\$299.00
UEZGUI-RX62N-35QT-BA	3.5" QVGA	Renesas RX62N	Board Assembly with touch screen LCD	Stock	\$90-\$120
UEZGUI-EXP1	-		Expansion Board with USB Host, Ethernet, RS232/RS485	Stock	\$79.00

**** Customization available for volumes above 500 units**

The FDI Advantage



- ▶ FDI is a proud member of the ARM Connected Community
- ▶ FDI has a close working relationship with NXP
 - NXP Authorized Design Consultant & Tool Partner for 15 years
- ▶ Designed and manufactured in the USA
- ▶ Full Technical Support from our Team of US based Engineers
- ▶ Our products are 100% Functional Tested and guaranteed
- ▶ Market Lifetime of 10 years minimum
- ▶ Direct OEM sales or available from any of our six franchised distributors
- ▶ FDI offers cost effective customization for volumes as low as 500 units
- ▶ We purchase only from factory authorized sources and distributors
- ▶ FDI has a 23 year history of Customer Satisfaction