



development solutions

www.mikroe.com

mikroC™, mikroBasic™
and **mikroPascal™ PRO**
for PIC® compilers



mikroProg™ for PIC®, dsPIC® and PIC32®
programmer & debugger



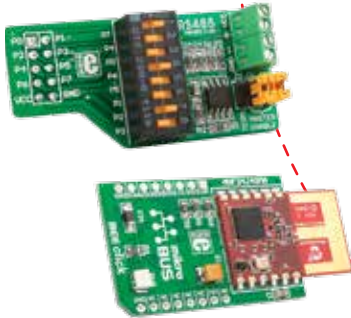
Visual TFT™
and **Visual GLCD™** software



PIC®

development solution

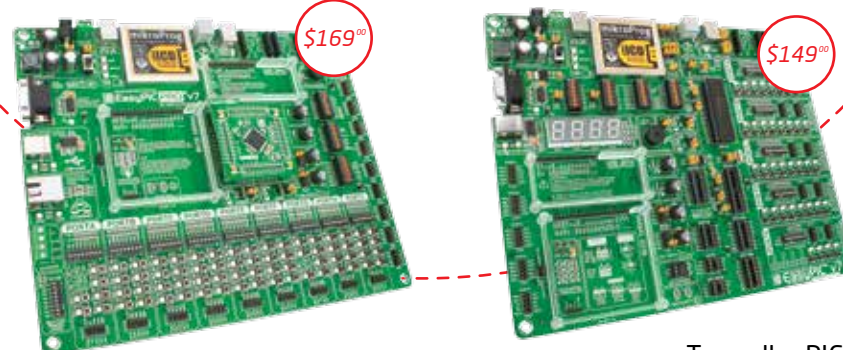
Rich set of development tools for
Microchip® PIC® MCUs, including
C, Basic and Pascal Compilers,
Development Boards, Programmers /
Debuggers and more.



IDC10 and Click™
add-on boards



mikromedia™ for PIC18FJ®



EasyPIC PRO v7
A full-featured development board
for high pin-count 8-bit PIC® microcontrollers

EasyPIC™ v7
Top seller PIC® Development Board
for 250 Microchip PIC® MCUs in DIP packaging

Visual TFT™
and Visual GLCD™ software



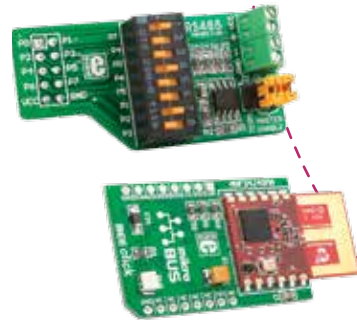
mikroC™, mikroBasic™
and mikroPascal™ PRO
for PIC32® compilers

mikroProg™ for PIC®, dsPIC® and PIC32®
programmer & debugger



PIC32® development solution

Full set of development tools, compilers
and debuggers for high-performance and
peripheral-rich PIC32® microcontrollers
from Microchip®.



IDC10 and Click™
add-on boards

EasyPIC™ Fusion v7

A full-featured development
board for Microchip dsPIC33®, PIC24®
and PIC32® microcontrollers



mikromedia™ for PIC32®

multimedia for PIC32MX7

Platform for multimedia development
on a powerful PIC32MX795F512L.
Board features 320x240px TFT Touch Screen

**mikroC™, mikroBasic™
and mikroPascal™ PRO** for
dsPIC®/PIC24® compilers



Visual TFT™
and **Visual GLCD™** software



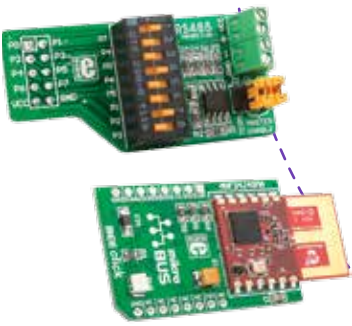
mikroProg™ for PIC®, dsPIC® and PIC32®
programmer & debugger



dsPIC® development solution

Full set of development tools, compilers
and debuggers for low power and
peripheral-rich dsPIC30/33® and
PIC24® devices from Microchip®.

IDC10 and Click™
add-on boards



mikromedia™ for PIC24®,
dsPIC33®, PIC24EP®
and dsPIC33EP®

EasyPIC™ Fusion v7
A full-featured development
board for Microchip dsPIC33®,
PIC24® and PIC32® microcontrollers



EasyPICv7 for dsPIC30®
Development board for Microchip®
dsPIC30F® devices in DIP packaging



Visual TFT™
and Visual GLCD™ software



ARM®

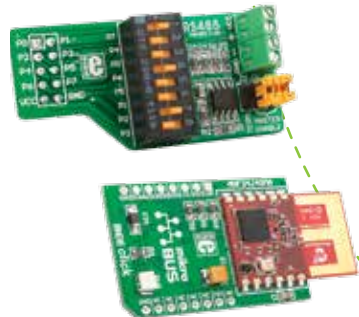
development solution

Complete development toolchain for
ARM Cortex-M3 and Cortex-M4 MCUs,
including Compilers, Development
Boards, Programmer / Debugger.

mikroC™, mikroBasic™
and mikroPascal™ PRO
for ARM® compilers



mikroProg™ for Stellaris®
and mikroProg® for STM32
programmers & debuggers



IDC10 and Click™
add-on boards

EasyMx PRO™ v7 for Stellaris™
Development board for TI Stellaris®
ARM® Cortex™-M3 and Cortex™-M4 devices



EasyMx PRO™ v7 STM32
Development board for STM32®
ARM® Cortex™-M3 and Cortex™-M4 devices



mikromedia™ for Stellaris® M3,
STM32 M3 and STM32 M4

mikroC™, mikroBasic™
and **mikroPascal™ PRO**
for AVR® compilers



Visual TFT™
and **Visual GLCD™** software

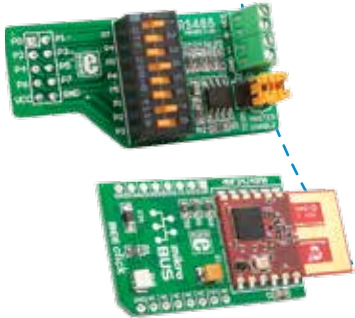


mikroProg™ for AVR®
programmer



AVR® development solution

Rich set of development tools - boards,
compilers, programmers and additional
software for popular Atmel®
AVR® microcontrollers.



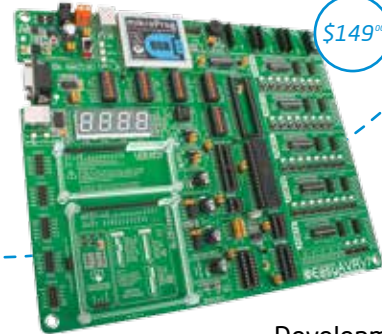
IDC10 and Click™
add-on boards



mikromedia™ for XMEGA



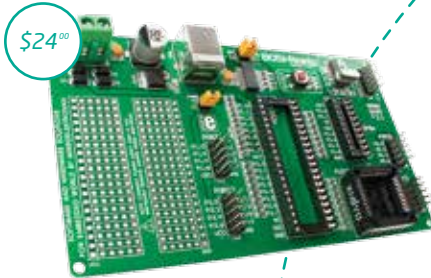
BIGAVR6™
Development tool for 64-
and 100-pin AVR® microcontrollers



EasyAVR v7
Development tool for Atmel®
AVR® microcontrollers in DIP packaging



mikroC™, mikroBasic™
and mikroPascal™ PRO
for 8051® compilers



8051-ready
Small
development
board with MCU
sockets, USB-
UART module
and breadboard
area



mikroProg™ for 8051
Supports all Atmel®
AT89 devices.

8051® development solution

Full set of development tools,
compilers and programmers for
8051 microcontrollers from
Atmel® and Silabs®.



IDC10 add-on boards



BIG8051
Full-featured development
environment for Silicon Labs
C8051Fxxx microcontrollers



Easy8051™ v6
A development board for Atmel® 8051
microcontrollers in DIP, PLCC44 and PLCC32 packaging

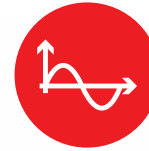
ASLK PRO



ASLK PRO

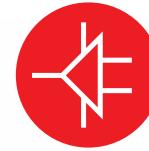
Analog System Lab Kit PRO is designed for **undergraduate engineering students** to perform analog lab experiments. The main idea with ASLK PRO is to provide a **cost efficient platform** or test bed for students to develop almost any analog system using general purpose ICs such as OP-Amps and analog multipliers.

Learn analog with ease



The best tool for students

Depictive board markings



Everything is already here

Long lasting quality

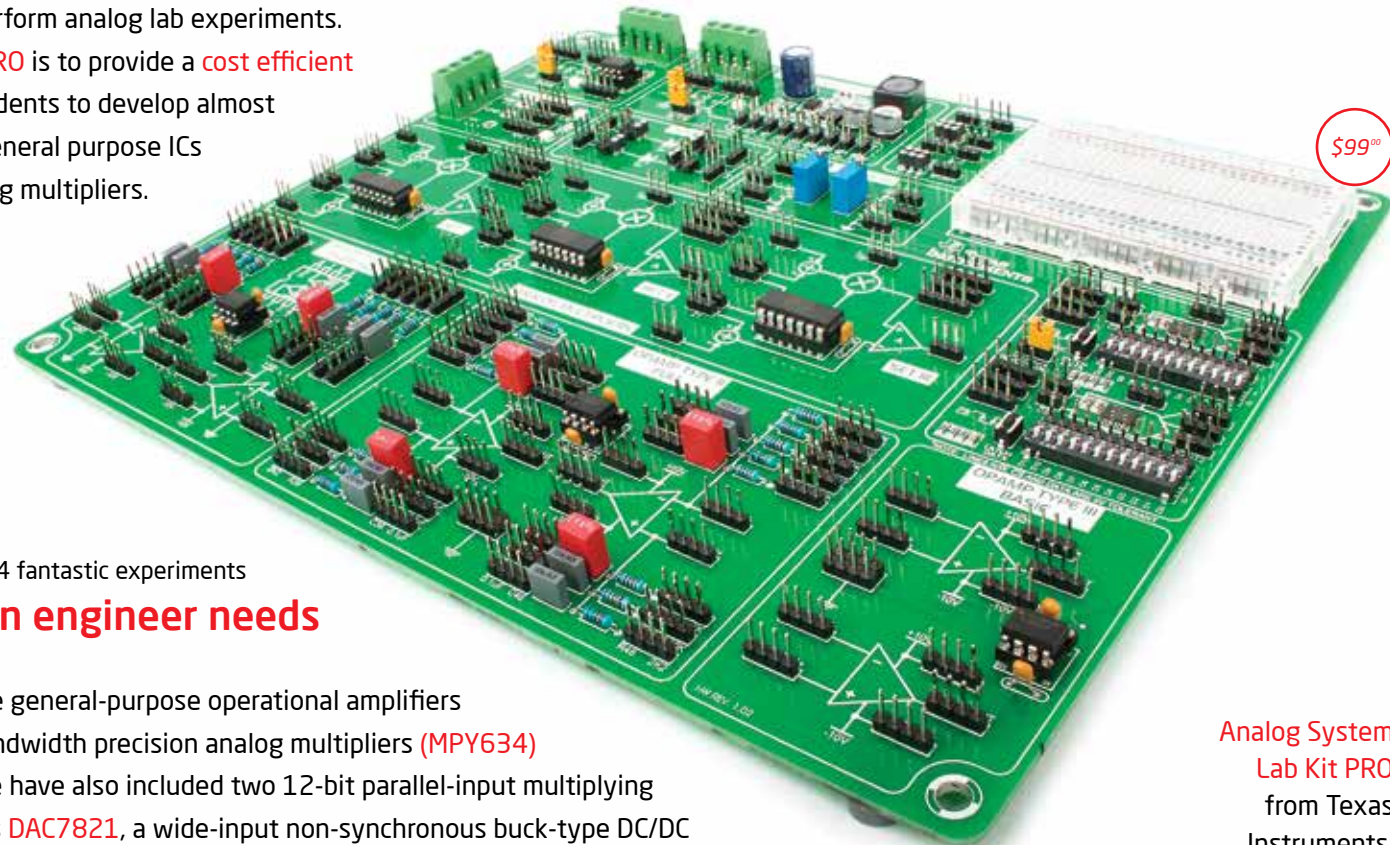


Built from the best components

Manuals that teach



14 exercises and examples



\$99⁰⁰

11 sections on the board for 14 fantastic experiments

Everything that an engineer needs

ASLK PRO comes with three general-purpose operational amplifiers (TL082) and three wide-bandwidth precision analog multipliers (MPY634) from Texas Instruments. We have also included two 12-bit parallel-input multiplying digital-to-analog converters DAC7821, a wide-input non-synchronous buck-type DC/DC controller TPS40200, and a low dropout regulator TPS7250 from Texas Instruments. A portion of ASLK PRO is left for general-purpose prototyping and carrying out mini-projects.

Analog System Lab Kit PRO from Texas Instruments, produced by mikroElektronika

MINI boards

Get the **MAX** with the **MINI**[®]

Replace your DIP40 MCU with a **pin-compatible MINI board** and get **up to 40x better performance!**

Keep everything you love about 8-bit MCUs in DIP40 packaging and get up to 40x better performance. Our powerful MINI boards are **pin compatible** with **PIC18F45K2x** making them a perfect excuse to smoothly switch to 32-bit. Get used to having plenty of available memory and lots of processing power. Each **MINI** comes preloaded **with a fast USB HID bootloader**, so programming is as easy as it gets. Try it out for **\$29 only**.

12

slow

fast



PIC18F45K22



MINI-M4 for Stellaris

contains LX4F230H5QR
(ARM[®] Cortex[™]-M4)



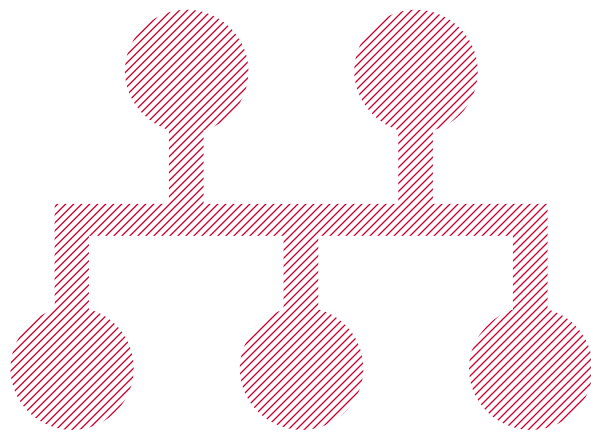
MINI-32

contains PIC32MX534F064H



MINI-M4 for STM32

contains STM32F415RG
(ARM[®] Cortex[™]-M4)



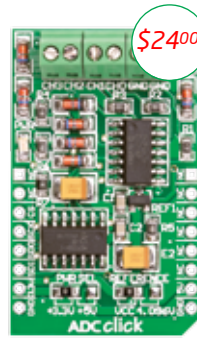
click boards

one SOCKET



for **ALL**
click boards

Just place the **Click™ board** you need into the innovative new **mikroBUS™** host socket and it's ready to work right away. Adding **new functionality** to your development board was never so easy!



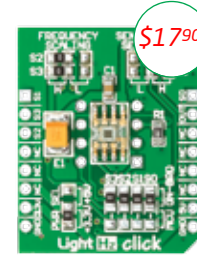
ADC click

\$24⁰⁰



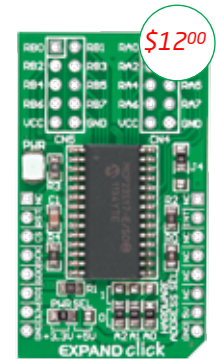
DAC click

\$18⁰⁰



Light (IR) click

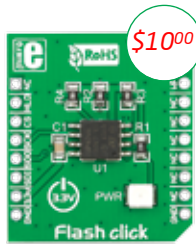
\$17⁹⁰



EXPAND click

\$12⁰⁰

14



Flash click

\$10⁰⁰



DIGI POT click

\$16⁹⁰



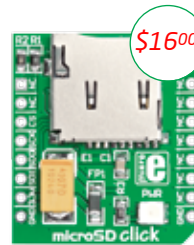
IrDA2 click

\$25⁹⁰



BUZZ click

\$9⁰⁰



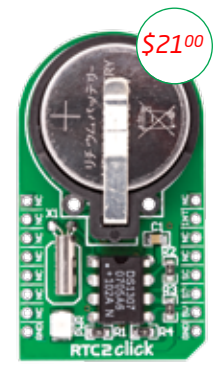
microSD click

\$16⁰⁰



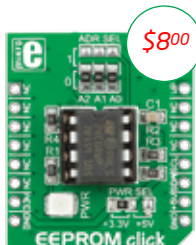
RTC click

\$21⁰⁰



RTC2 click

\$21⁰⁰



EEPROM click

\$8⁰⁰



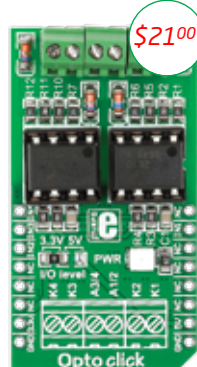
THERMO click

\$29⁰⁰



MP3 click

\$21⁹⁰



Opto click

\$21⁰⁰



CAN SPI click

\$21⁰⁰

5V



CAN SPI click 3.3V

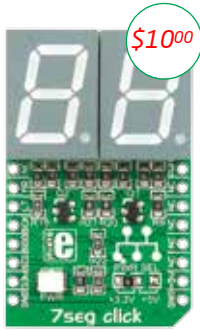
\$21⁰⁰

3.3V



BEE click

\$29⁰⁰



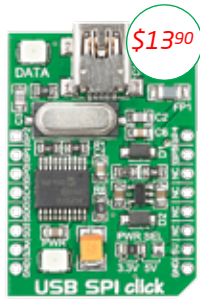
\$10⁰⁰

7seg click



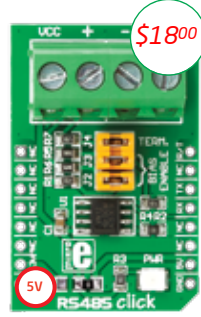
\$13⁹⁰

USB UART click



\$13⁹⁰

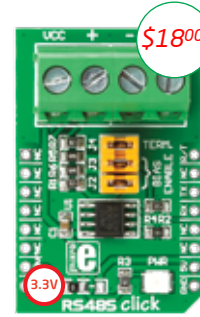
USB SPI click



\$18⁰⁰

5V

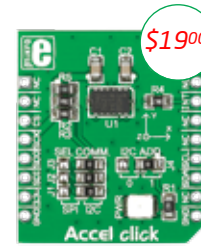
RS485 click 5V



\$18⁰⁰

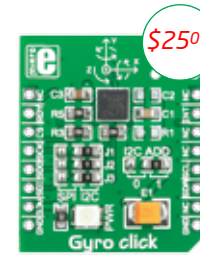
3.3V

RS485 click 3.3V



\$19⁰⁰

Accel click



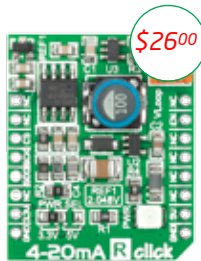
\$25⁰⁰

Gyro click



\$26⁰⁰

4-20mA T click



\$26⁰⁰

4-20mA R click



\$24⁰⁰

ETH click



\$45⁰⁰

WiFi PLUS click



\$49⁰⁰

GPS click



\$44⁰⁰

GPS click - L10



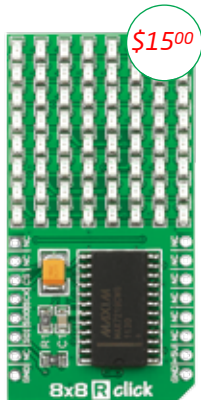
\$44⁰⁰

GPS2 click



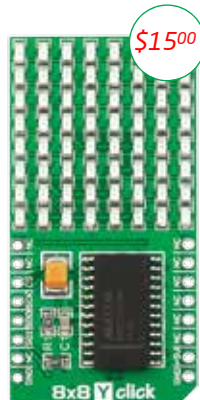
\$15⁰⁰

8x8 G click



\$15⁰⁰

8x8 R click



\$15⁰⁰

8x8 Y click



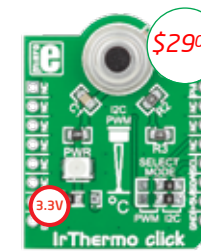
\$19⁰⁰

nRF C click



\$16⁰⁰

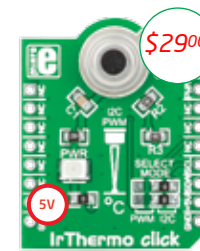
nRF T click



\$29⁰⁰

3.3V

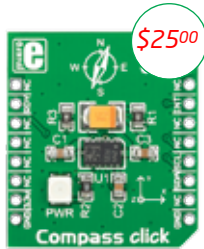
IrThermo click 3.3V



\$29⁰⁰

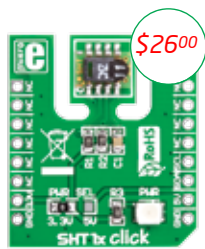
5V

IrThermo click 5V



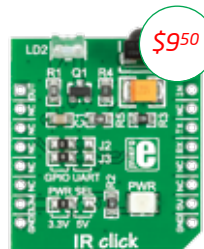
\$25⁰⁰

Compass click



\$26⁰⁰

SHT1x click



\$9⁵⁰

IR click



\$25⁰⁰

DALI click



\$35⁰⁰

OSD click



\$41⁹⁰

BlueTooth click



\$59⁰⁰

Bluetooth2 click



\$18⁰⁰

RELAY click



\$49⁰⁰

GSM click



\$44⁰⁰

GSM2 click

All mikroElektronika seventh generation development boards feature at least two mikroBUS sockets, ready to host additional Click boards.



mikromedia

mikromedia boards



mikromedia for PIC32
(features PIC32MX460F512L)

Swiss Army Knives for Multimedia Developers

Create control interfaces, run multimedia content, play games, and even movies with fantastic mikromedia boards. They are barely bigger than the size of the TFT display, but are capable of supporting rich multimedia content. Mikromedia boards feature following modules:

- 320x 240 TFT with Touch Panel
- MP3 codec
- Accelerometer
- microSD card slot
- Serial Flash Memory
- USB or USB UART
- Programmer connectors
- Battery Charger with battery connector

Each mikromedia is preprogrammed with bootloader and supported in mikroElektronika compilers and Visual TFT software. They support additional shields, such as: mikroBUS, PROTO, Gaming, Connect or Battery Boost Shield.



\$9900

mikromedia for PIC24EP
(features PIC24EP512GU810)



\$9900

mikromedia for dsPIC33EP
(features dsPIC33FJ256GP710A)



\$9900

mikromedia for dsPIC33
(features dsPIC33FJ256GP710A)



\$9900

mikromedia for STM32
(features STM32F207VGT6
or STM32F407VGT6)



\$9900

mikromedia for Stellaris M3
(features LM3S9B95)



\$9900

mikromedia for XMEGA
(features ATXMEGA128A1)



\$9900

mikromedia for PIC18FJ
(features PIC18F87J50)



\$9900

mikromedia for PIC24
(features PIC24FJ256GB110)

 VISUAL TFT

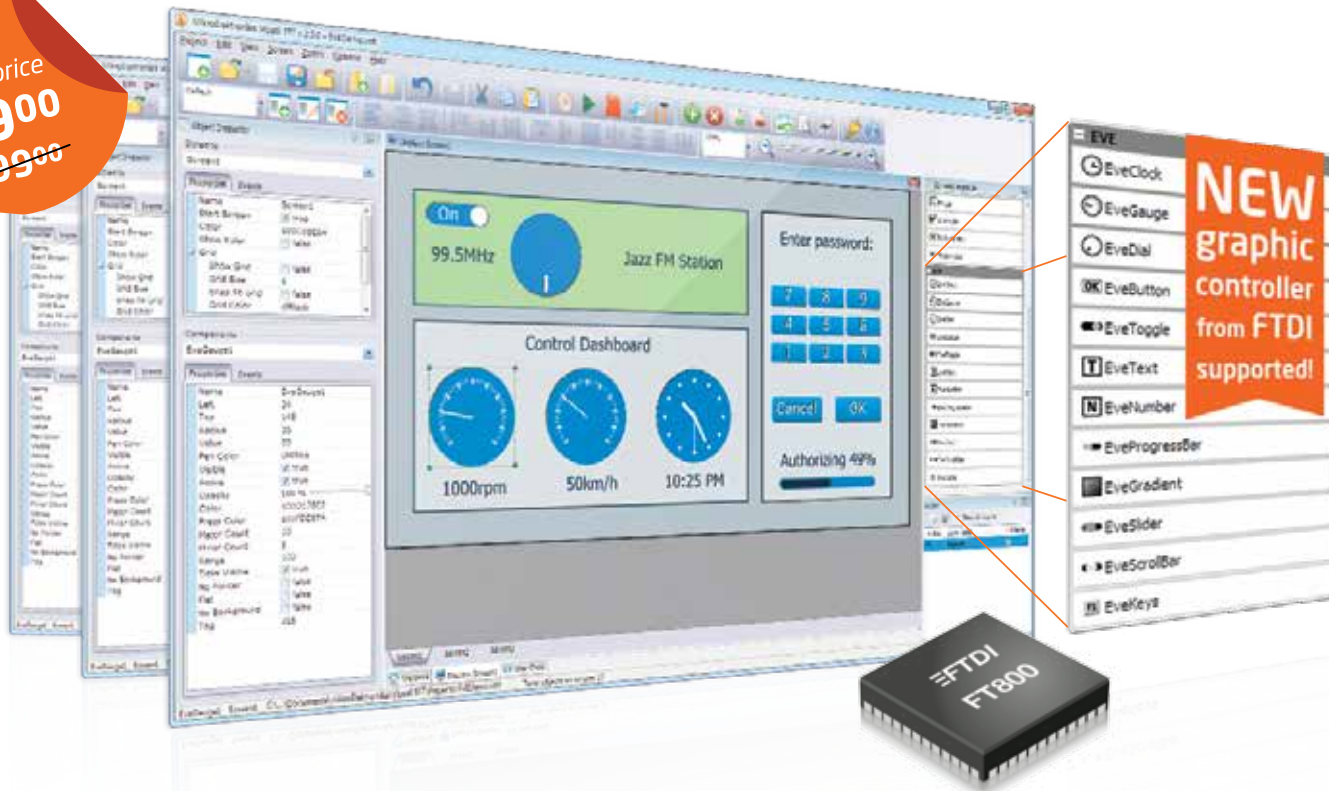


VISUAL TFT

GUI Design Software

<http://www.mikroe.com/visualtft/>

promo price
\$8900
~~\$9900~~



NEW graphic controller from FTDI supported!

21

You Design - We Create Code

Just focus on designing your TFT user interface, and the software will make sure to create microcontroller code for you automatically.

Intuitive Drag-n-Drop Interface

Visual TFT is really easy to use. It implements standard intuitive behavior, so you will feel like using any other vector graphic editors.

SingleClick™ settings

With dozens of hardware templates, a single click on a dropdown list item does all the settings for you. Time spent: 5 seconds per project.

FT800/EVE Controller Supported

Visual TFT is the first software in the world that supports FTDI's powerful new EVE GUI platform, and it's rich set of features.



VISUAL TFT IS A STANDALONE APPLICATION USED FOR RAPID DEVELOPMENT OF GRAPHICAL USER INTERFACES FOR TFT DISPLAYS.



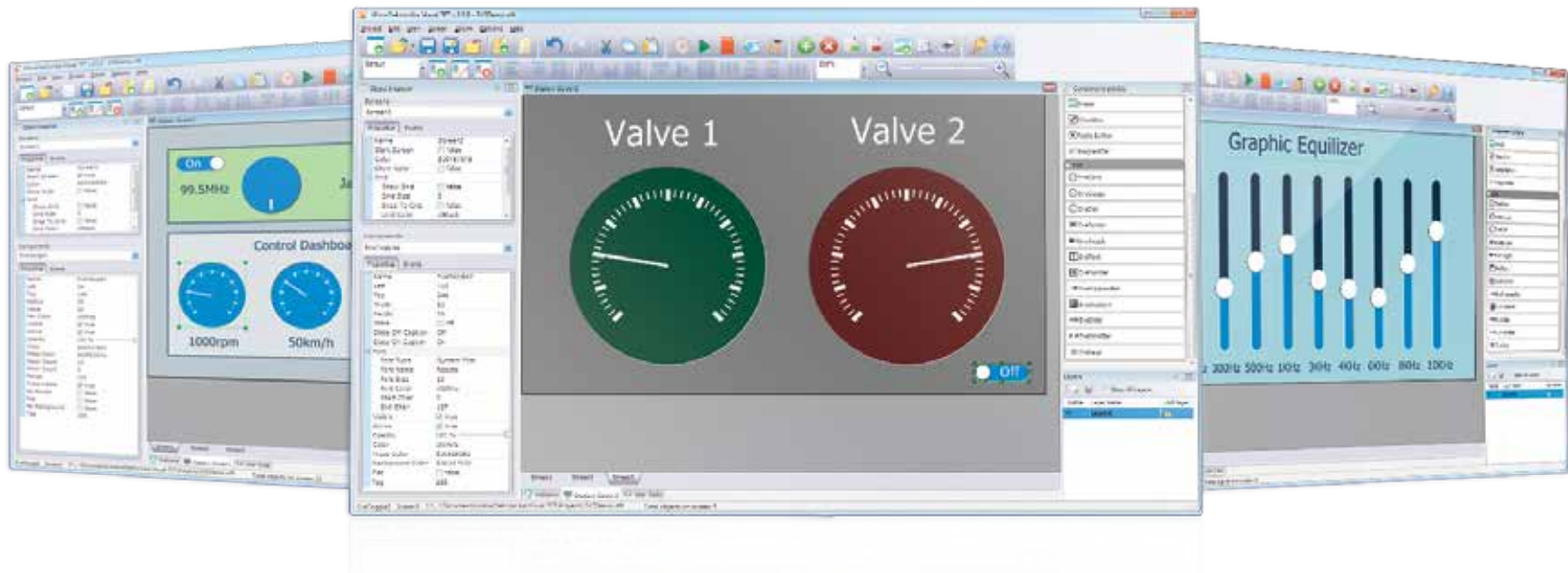
SOFTWARE GENERATES CODE COMPATIBLE WITH MIKROC, MIKROBASIC AND MIKROPASCAL COMPILERS FOR ALL SUPPORTED MCU ARCHITECTURES.



VISUAL TFT SUPPORTS MORE THAN 10 POPULAR DISPLAY CONTROLLERS AND 5 DIFFERENT DISPLAY SIZES. PICK THE BEST ONE FOR YOUR PROJECT.



WE MADE SURE TO PROVIDE MANY INTERESTING EXAMPLES AND A COMPREHENSIVE HELP FILE THAT WILL HELP YOU TO GET STARTED QUICKLY.



Free upgrades

Software is constantly improved and new functionalities are added with each new release. Owners of Visual TFT licenses are entitled to free upgrades, which takes just a minute of your time.



Free Support

Visual TFT license guarantees you free product lifetime technical support, so you can rely on our help when developing.



Best price/performance

With Visual TFT you get full-featured and powerful GUI development tool, and at the same time very intuitive and easy-to-use. No other software offers so much at such a price.

c.  mmunity

<http://www.mikroe.com/esupport/>

FREE SUPPORT

MikroElektronika offers Free Tech Support, so if something goes wrong, we will be ready and willing to help!

<http://www.mikroe.com/forum/>

FORUM

Nearly **26.000 members**, **190.000 posts** and resourceful topics with solutions and code snippets make our forum a great place for embedded developers.

<http://www.libstock.com/>

LIBSTOCK®

Libstock is a free community website for sharing and downloading code: projects, libraries and examples. It hosts some of mikroElektronika exclusive libraries, like USB Device Library, Network Ethernet Library, WiFi Library, FAT32 library, but among **450 projects** you can find PID, Modbus and many other libraries as well.

[facebook.com/mikroElektronika](https://www.facebook.com/mikroElektronika)

SOCIAL NETWORKS

mikroElektronika community members are very active on social networks. We often discuss interesting topics on **Facebook** and **Twitter**. Our **YouTube** and **Vimeo** channels contain video demonstration and tutorials on interesting projects. Make sure to check them out:



[facebook.com/mikroElektronika/](https://www.facebook.com/mikroElektronika/)



[youtube.com/mikroelektronika/](https://www.youtube.com/mikroelektronika/)



twitter.com/mikroel/



vimeo.com/mikroelektronika/

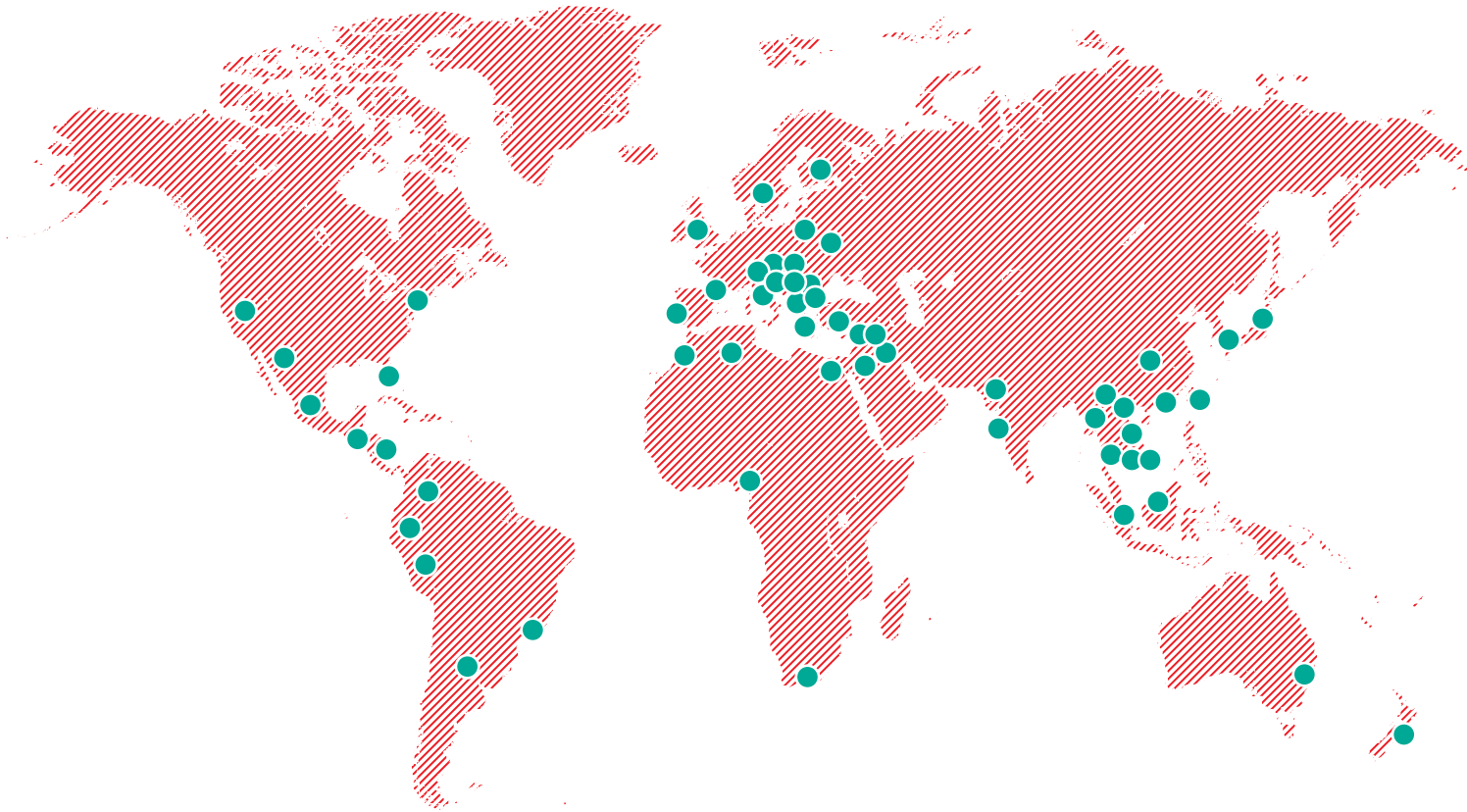


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[linkedin.com/company/mikroelektronika/](https://www.linkedin.com/company/mikroelektronika/)

OUR WORLDWIDE DISTRIBUTION MAP



MikroElektronika supplies the entire world with first-class embedded solutions. Find our products with more than 60 distributors worldwide. Choose the one closest to you. Full distributors list and contact information can be found at our webpage:

<http://www.mikroe.com/distributors/>

ABOUT MIKROELEKTRONIKA

For more than a decade MikroElektronika has been one of few companies in the world that produce **entire development toolchains** for all major microcontroller architectures. We make development boards, compilers, add-on boards, additional software and books for microcontrollers.

MikroElektronika was grounded on a simple idea. We want to provide software and hardware tools which save time of our fellow engineers and help them to get the job done quickly. We want to **make electronics understandable**, to bring it to ordinary people and help them improve their lives. On that journey we developed devices that are sophisticated, powerful, beautifully designed and what is most important - **easy to use**. We're making it easy for hobbyists and enthusiasts, but all this combined power and elegance draws a lot of professionals as well. Many professional users and well known companies are using our products. Right now we have 48% sales to companies and small businesses, around 27% to universities and high schools while the rest goes to individuals and hobbyists.

We have a passion for quality. **We do what we love and love what we do**. Each product is well thought of, and is always a part of the bigger picture where the user is the center of attention.

Our business hours are from 9 until 17, Central European Time, Monday through Friday. For offline contact, please reach us via:

Address

mikroElektronika
Višegradska 1A
11000 Belgrade
Address Code: 111701
EUROPE

Phone

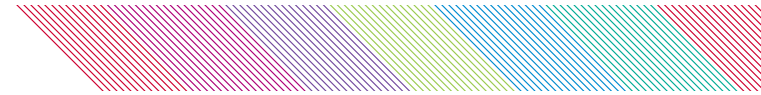
+ 381 11 36 60 600
+ 381 11 36 28 830
+ 381 11 36 60 337

Fax

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+ 381 11 36 28 831

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development solutions



Designed by
MikroElektronika Ltd.
www.mikroe.com
February 2013.

