



development solutions

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

Visual TFT™
and Visual GLCD™ software



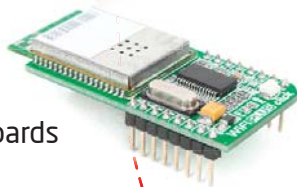
mikroProg™ for PIC®,
dsPIC® and PIC32®
programmer &
debugger

PIC®

development solution

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

Click™ boards



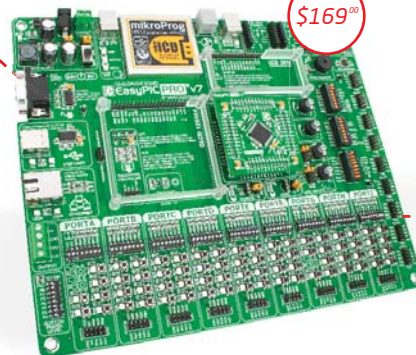
MIKROE-1487

PIC® clicker

MIKROE-995

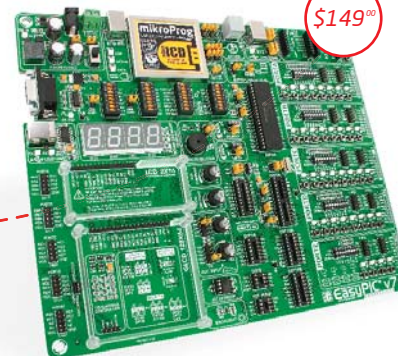
EasyPIC PRO v7

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



MIKROE-607

mikromedia™ for PIC18FJ®



MIKROE-798

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
dsPIC®/PIC24® compilers



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®.

Click™ boards



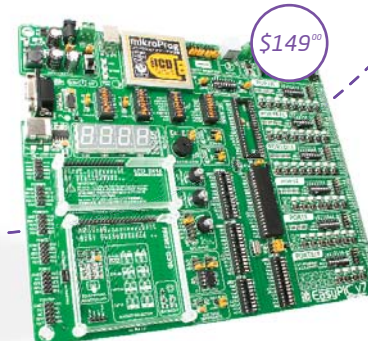
MIKROE-1205

EasyPIC™ Fusion v7

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



\$179.00



\$149.00



\$99.00

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

MIKROE-1153

EasyPICv7 for dsPIC30®

Development board for Microchip®
dsPIC30F® devices in DIP packaging

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

Visual TFT™
and Visual GLCD™ software



Click™ boards



MIKROE-763
MINI™ - 32

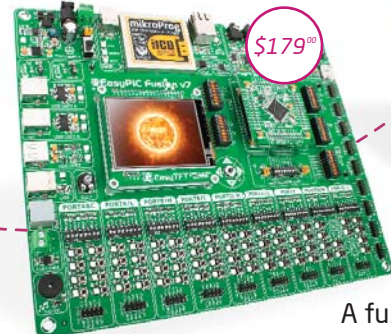


MIKROE-764
mikroProg™ for PIC®,
dsPIC® and PIC32®
programmer & debugger



PIC32® development solution

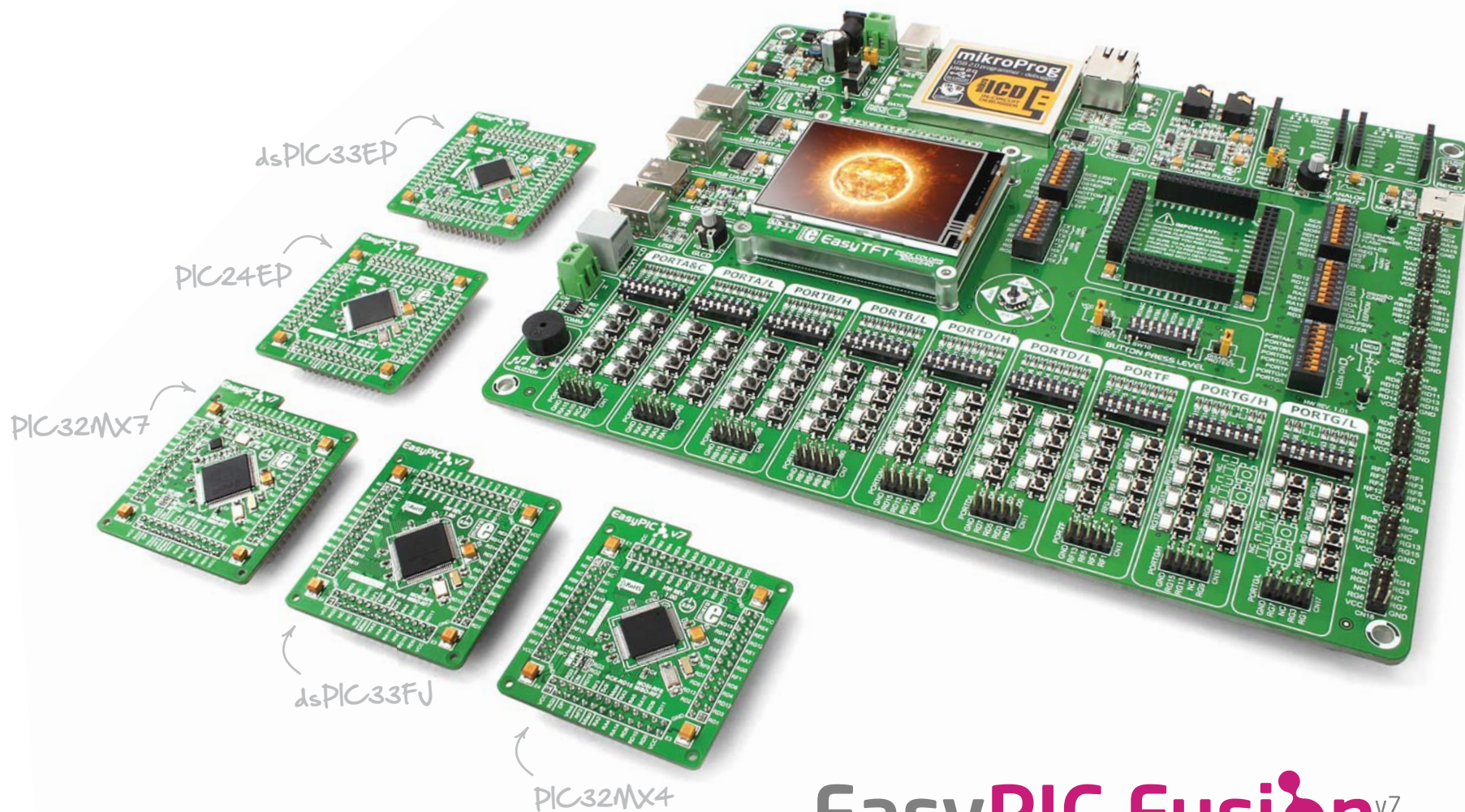
Full set of development tools, compilers
and debuggers for high-performance and
peripheral-rich PIC32® microcontrollers
from Microchip®.



MIKROE-1205
EasyPIC™ Fusion v7
A full-featured development board for Microchip
dsPIC33®, PIC24® and PIC32® microcontrollers



NOMINATED FOR
embedded AWARD 2013
In the Best Tools Category



EasyPIC Fusion v7
16-bit and 32-bit worlds united.

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



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

Visual TFT™
and Visual GLCD™ software



AVR®

development solution

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

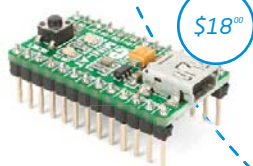


MIKROE-1383
mikroProg™ for AVR®
programmer

Click™ boards



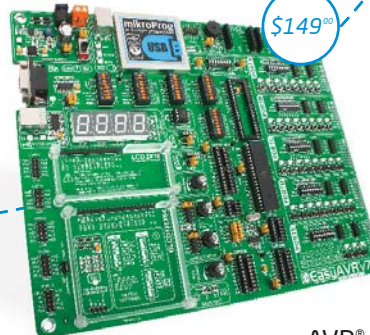
MIKROE-671
MINI™ - AT



MIKROE-456
BIGAVR6™
Development tool for 64-
and 100-pin AVR® microcontrollers

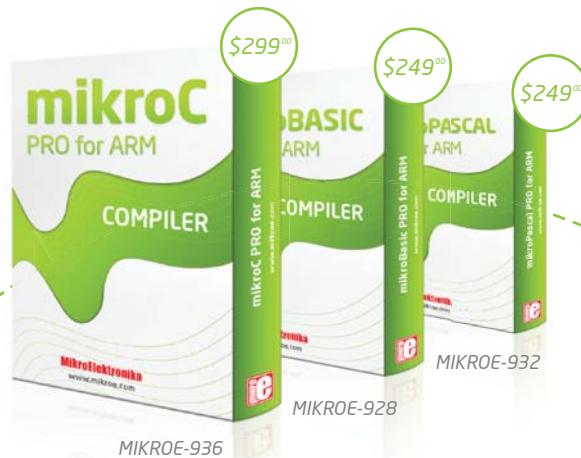


MIKROE-755
mikromedia™ for XMEGA



MIKROE-1385
EasyAVR v7
Development tool for Atmel®
AVR® microcontrollers in DIP packaging

Visual TFT™
and Visual GLCD™ software



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



MIKROE-974
mikromedia™
for Stellaris® M3



MIKROE-1398
mikromedia™ Plus
for Stellaris™



MIKROE-1504
mikromedia™ 5 for Tiva™

Tiva™

development solution

Complete set of TI Tiva™ C Series ARM
Cortex-M4 development boards for entire
family range of Tiva™ C Series devices.

Click™ boards



MIKROE-1368

MINI™ - M4
for Stellaris®



\$29⁰⁰



MIKROE-1505

mikroProg™ for Tiva™
programmer

\$49⁰⁰



\$169⁰⁰

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

\$199⁰⁰

MIKROE-1398

\$249⁰⁰

MIKROE-1504

MIKROE-972

\$99⁰⁰

\$99⁰⁰

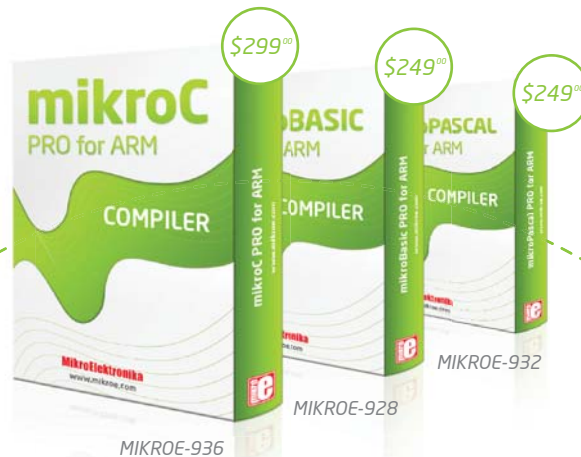
\$99⁰⁰

\$299⁰⁰

\$249⁰⁰

\$249⁰⁰

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



Visual TFT™
and Visual GLCD™ software



mikromedia™ for
STM32

STM32

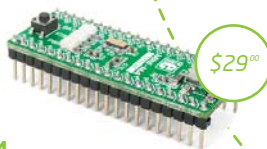
development solution

Complete development toolchain for
STM32 ARM® Cortex-M3 and Cortex-M4
MCUs, including Compilers, Development
Boards, Programmer / Debugger

Click™ boards



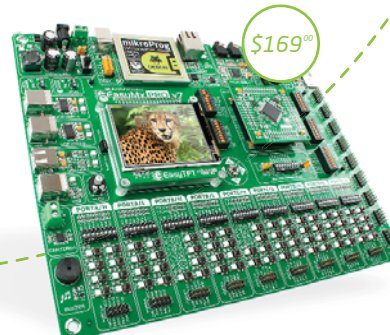
MIKROE-1367
MINI™ - M4
for STM32



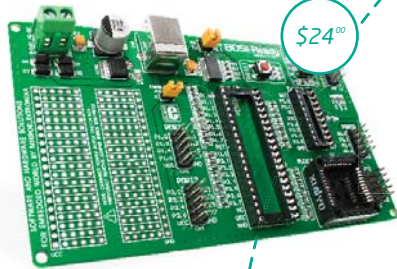
MIKROE-1100
mikroProg™ for STM32
programmer



mikromedia™ Plus
for STM32



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



\$24⁰⁰

MIKROE-257

8051-ready

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



\$249⁰⁰

\$249⁰⁰

\$249⁰⁰

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



\$69⁰⁰

MIKROE-1382

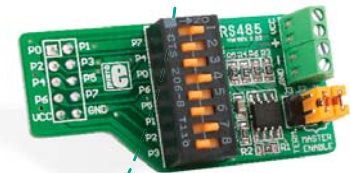
mikroProg™ for 8051

Supports all Atmel® AT89 devices.

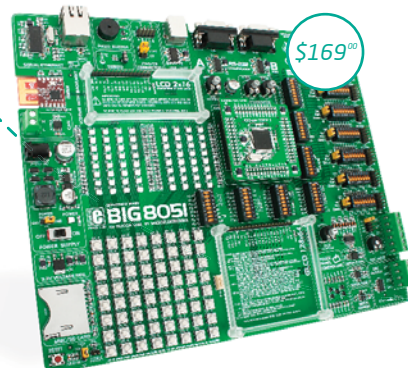
8051[®]

development solution

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



IDC10 add-on boards

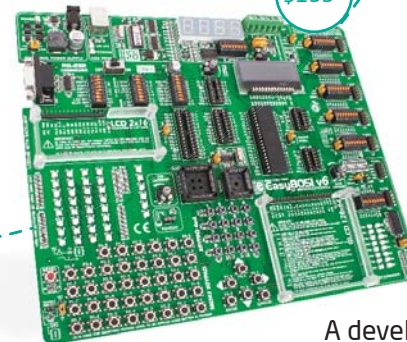


\$169⁰⁰

MIKROE-598

BIG8051

Full-featured development environment for Silicon Labs C8051Fxxx microcontrollers



\$139⁰⁰

MIKROE-455

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

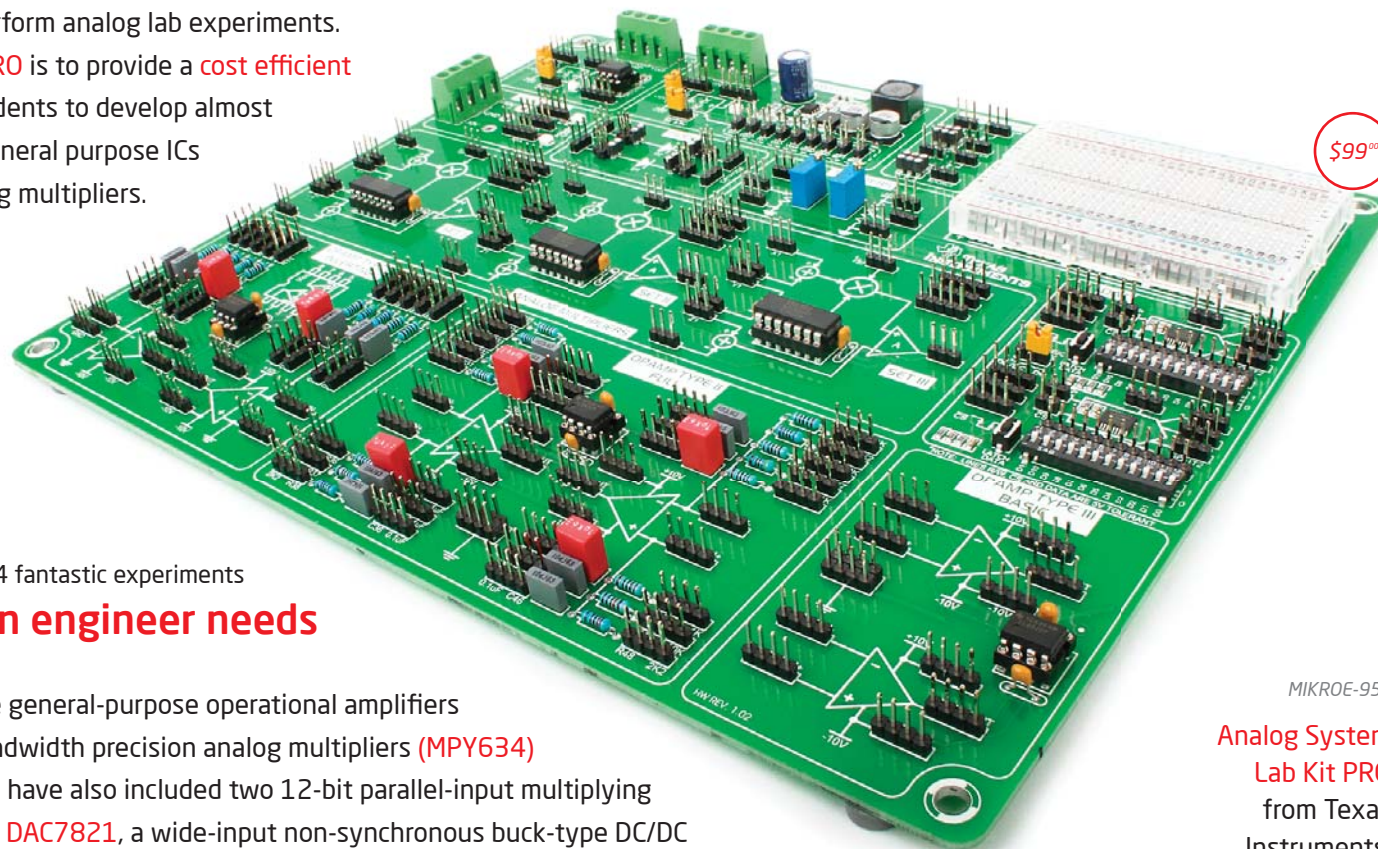


Built from the
best components

Manuals
that teach



14 exercises
and examples



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.

MIKROE-957

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

mikromedia

mikromedia boards



MIKROE-597

mikromedia for PIC32
(features PIC32MX460F512L)

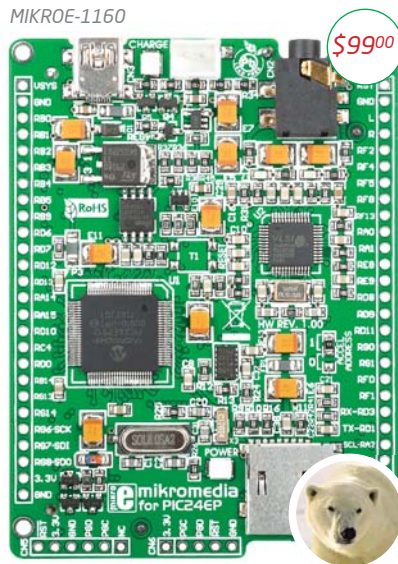
Swiss Army Knives for Multimedia Developers

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

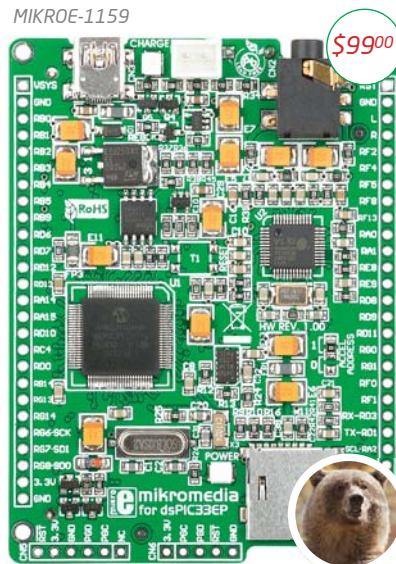
Each mikromedia is preprogrammed with bootloader and supported in MikroElektronika compilers and Visual TFT software. They support additional shields, such as: mikroBUS, PROTO, Gaming, Connect or Battery Boost Shield.

MIKROE-1160



mikromedia for PIC24EP
(features PIC24EP512GU810)

MIKROE-1159



mikromedia for dsPIC33EP
(features dsPIC33FJ256GP710A)

MIKROE-606



mikromedia for dsPIC33
(features dsPIC33FJ256GP710A)

MIKROE-1101 / MIKROE-1102



mikromedia for STM32
(features STM32F207VGT6
or STM32F407VGT6)

MIKROE-974



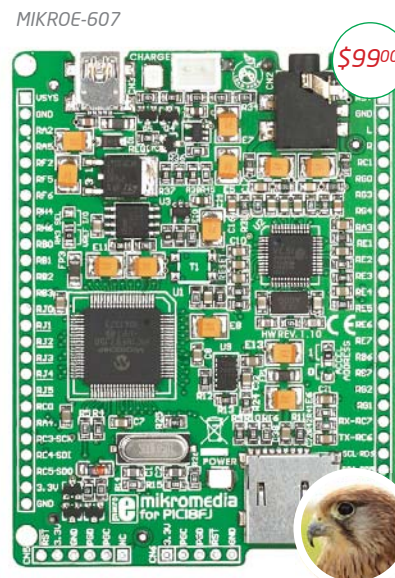
mikromedia for Stellaris M3
(features LM3S9B95)

MIKROE-755



mikromedia for XMEGA
(features ATXMEGA128A1)

MIKROE-607



mikromedia for PIC18FJ
(features PIC18F87J50)

MIKROE-608



mikromedia for PIC24
(features PIC24FJ256GB110)

mikromedia accessories

We have prepared a set of extension boards pin-compatible with your mikromedia, which enable you to easily expand your board basic functionality. We call them mikromedia shields.

MIKROE-1154



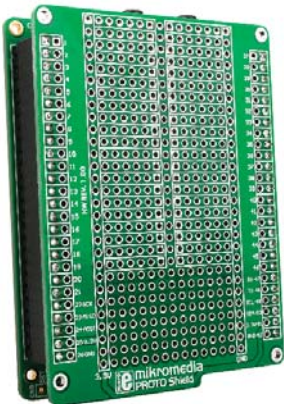
mikroBUS Shield - \$7⁵⁰

MIKROE-712



Battery BOOST Shield - \$14⁰⁰

MIKROE-767



PROTO Shield - \$6⁹⁰

MIKROE-938



Connect Shield - \$16⁰⁰



Scan QR code to see
mikromedia Gaming
Shield library

mikromedia Gaming Shield - \$18⁰⁰

MIKROE-782

mikromedia+

mikromedia+

MIKROE-1399



for PIC32MX7

Develop multimedia rich applications using this amazingly compact all-in one board. It features 4,3" TFT Touch Screen and over 20 on-board modules connected to a high-performance **PIC32MX7®**. It's delivered with a set of fun demonstration examples.

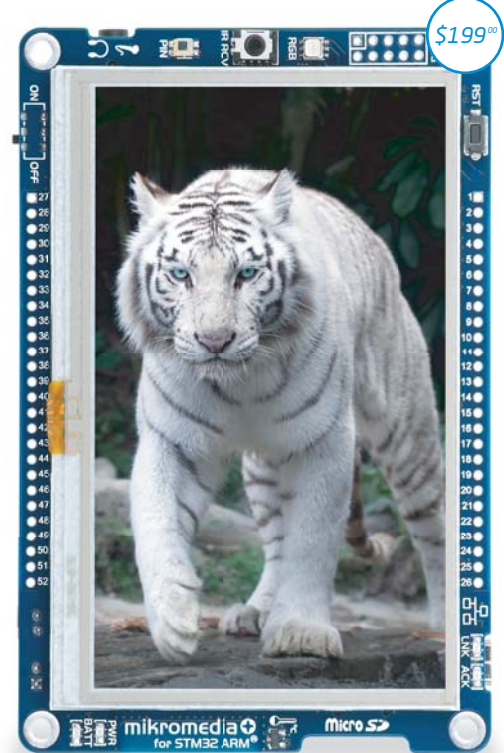
MIKROE-1398



for Stellaris ARM

A large 4,3" TFT Touch Screen and over 20 on-board modules connected to a high-performance **Stellaris® ARM® Cortex™-M4** microcontroller with on-chip FPU and DSP. They make a perfect choice for your demanding ideas.

MIKROE-1397

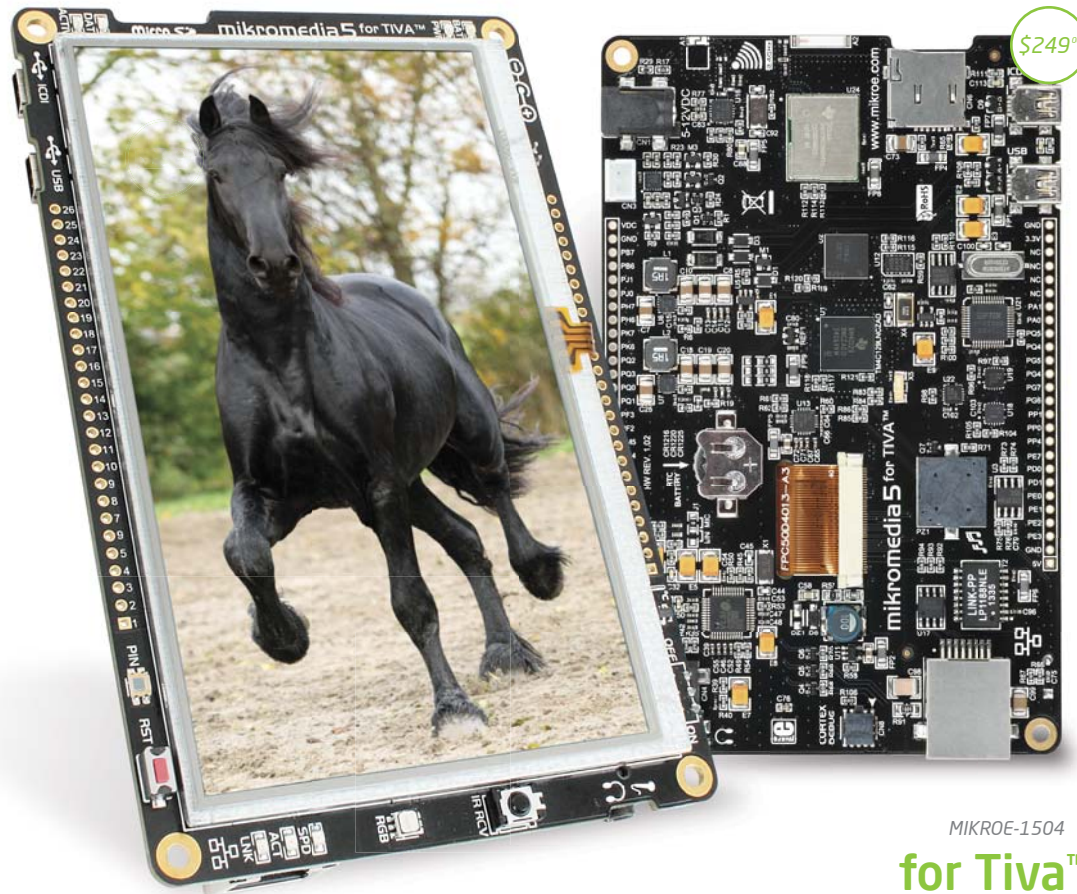


for STM32 ARM

Smart TFT Touch Screen device or a multimedia development board - it's up to you. It carries a powerful **STM32F407ZGT6 ARM Cortex-M4** MCU and loads of on-board modules, making it a perfect choice for your projects.

mikromedia 5

mikromedia 5



ARM Cortex™-M4F on-board
Powerful Workhorse

Mighty **TM4C129xNCZAD**
rocks: 120 MHz operation, 1 MB
of Flash, 256 KB of SRAM, μ DMA
controller, on-chip LCD controller and
a lot more.

Size does matter
5" Touch Screen

Huge touchscreen in 800x480px
resolution brings awesome graphics
and vivid colors. You've never seen
such a big display driven just by a
microcontroller.

Communicate wirelessly
CC3000 WiFi module

Internet of things - check! Insanely
popular CC3000 WiFi module is right
here for you.
It features easy to use SimpleLink
IPv4 TCP/IP stack.

MINI boards

Get the **MAX** with the **MINI**

Replace your 8-bit 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 all **pin compatible** and can be your first venture into the world of 32-bits. 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**.

slow

fast



8-bit microcontroller



MIKROE-1368

MINI-M4 for Stellaris

contains LX4F230H5QR
(ARM® Cortex™-M4)



MIKROE-763

MINI-32

contains PIC32MX534F064H

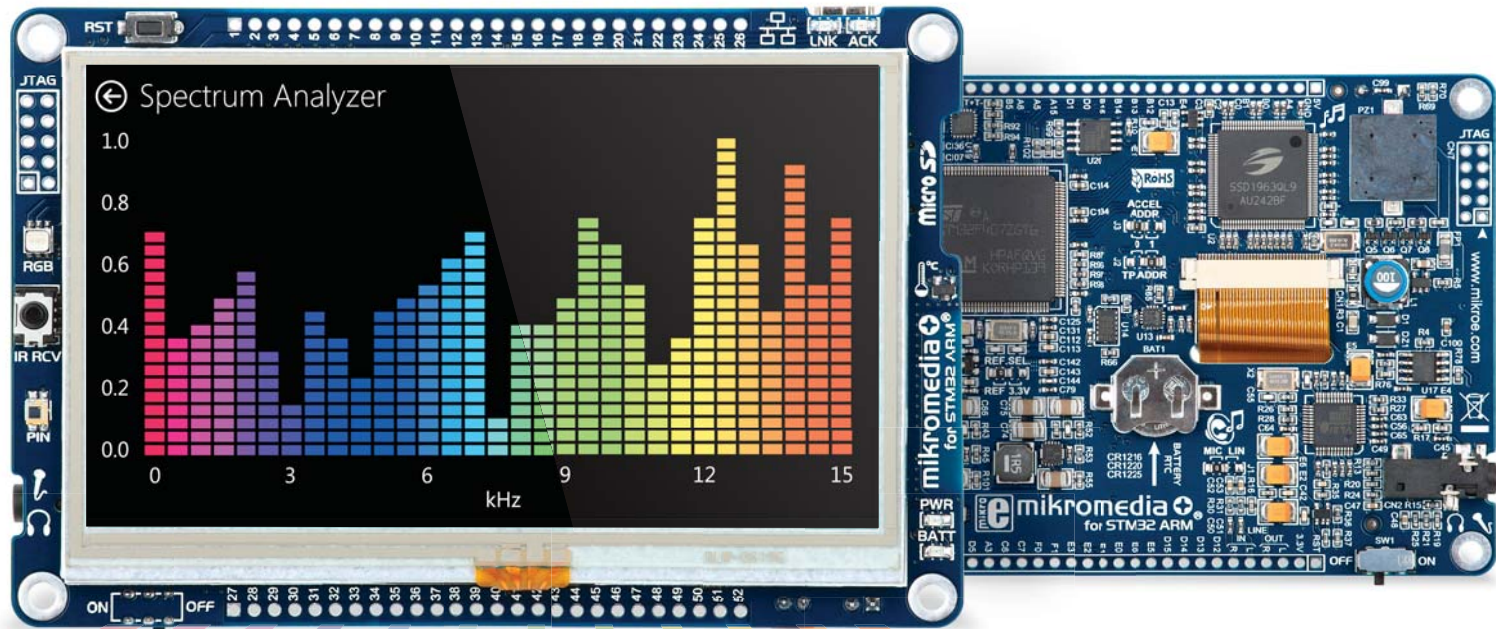


MIKROE-1367

MINI-M4 for STM32

contains STM32F415RG
(ARM® Cortex™-M4)

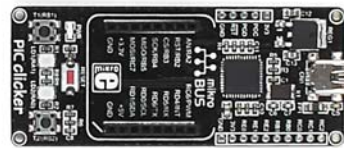
Ever Tried **168MHz** on a microcontroller?



mikromedia+
for STM32

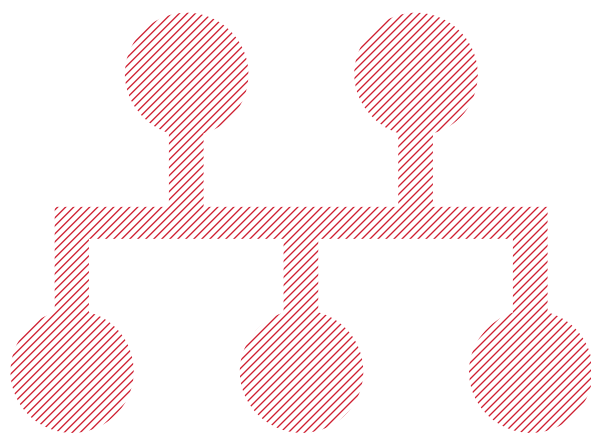


PIC[®]clicker



This amazingly compact starter development kit brings dozens of Click[™] add-on boards that will inspire you to make great projects.

New idea is just a click away!



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!

MIKROE-922



ADC click

MIKROE-950



DAC click

MIKROE-990



Light Hz click

MIKROE-951



EXPAND click

MIKROE-1199



Flash click

MIKROE-923



DIGI POT click

MIKROE-1195



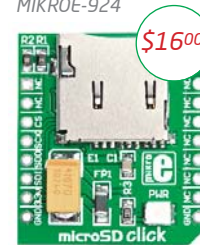
IrDA2 click

MIKROE-945



BUZZ click

MIKROE-924



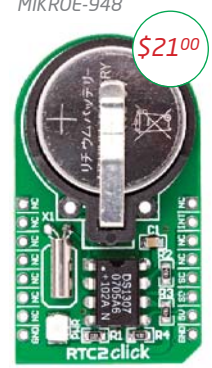
microSD click

MIKROE-947



RTC click

MIKROE-948



RTC2 click

MIKROE-1200



EEPROM click

MIKROE-1197



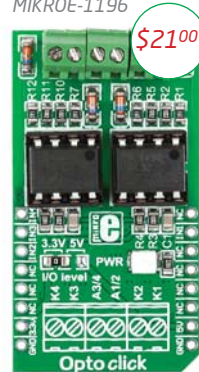
THERMO click

MIKROE-946



MP3 click

MIKROE-1196



Opto click

MIKROE-988



CAN SPI click

MIKROE-986



CAN SPI click 3.3V

MIKROE-987



BEE click

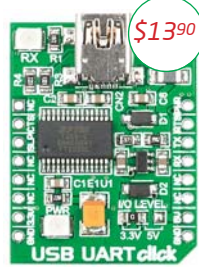
MIKROE-1201



\$10⁰⁰

7seg click

MIKROE-1203



\$13⁹⁰

USB UART click

MIKROE-1204



\$13⁹⁰

USB SPI click

MIKROE-925



\$18⁰⁰

RS485 click 5V

MIKROE-989



\$18⁰⁰

RS485 click 3.3V

MIKROE-1194



\$19⁰⁰

Accel click

MIKROE-1379



\$25⁰⁰

Gyro click

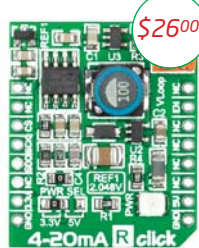
MIKROE-1296



\$26⁰⁰

4-20mA T click

MIKROE-1387



\$26⁰⁰

4-20mA R click

MIKROE-971



\$24⁰⁰

ETH click

MIKROE-1135



\$45⁰⁰

WiFi PLUS click

MIKROE-1032



\$49⁰⁰

GPS click

MIKROE-1133



\$44⁰⁰

GPS click - L10

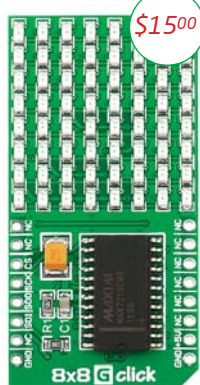
MIKROE-1374



\$44⁰⁰

GPS2 click

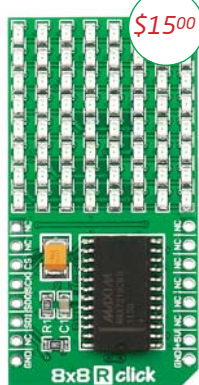
MIKROE-1306



\$15⁰⁰

8x8 G click

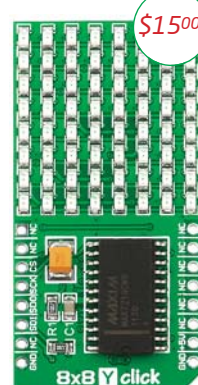
MIKROE-1295



\$15⁰⁰

8x8 R click

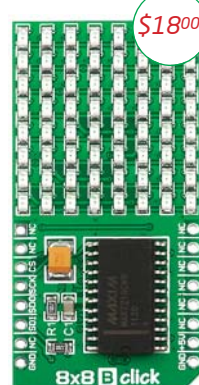
MIKROE-1294



\$15⁰⁰

8x8 Y click

MIKROE-1307



\$18⁰⁰

8x8 B click

MIKROE-1304



\$19⁰⁰

nRF C click

MIKROE-1305



\$16⁰⁰

nRF T click

MIKROE-1297



\$25⁰⁰

DALI click

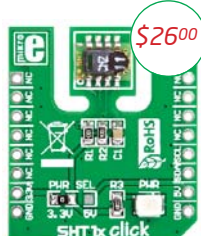
MIKROE-1386



\$25⁰⁰

Compass click

MIKROE-949



\$26⁰⁰

SHT1x click

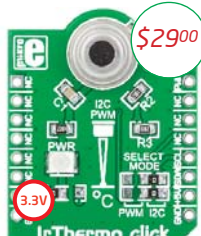
MIKROE-1377



\$9⁵⁰

IR click

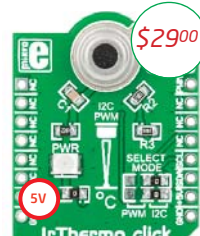
MIKROE-1361



\$29⁰⁰

IrThermo click 3.3V

MIKROE-1362



\$29⁰⁰

IrThermo click 5V

MIKROE-958



\$41⁹⁰

BlueTooth click

MIKROE-1389



\$59⁰⁰

Bluetooth2 click

MIKROE-1366



\$35⁰⁰

OSD click

MIKROE-1370



\$18⁰⁰

RELAY click

MIKROE-1298



\$49⁰⁰

GSM click

MIKROE-1375



\$44⁰⁰

GSM2 click

MIKROE-1431



\$29⁰⁰

FM click

MIKROE-1430



\$39⁰⁰

EVE click

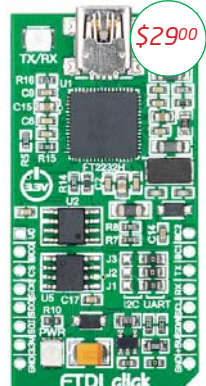
MIKROE-1423



\$12⁰⁰

BarGraph click

MIKROE-1421



\$29⁰⁰

FTDI click

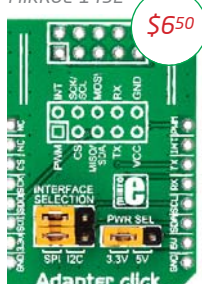
MIKROE-1396



\$24⁰⁰

Current click

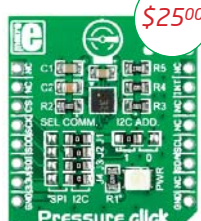
MIKROE-1432



\$6⁵⁰

Adapter click

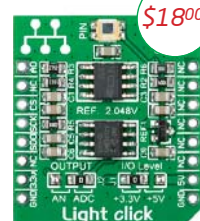
MIKROE-1422



\$25⁰⁰

Pressure click

MIKROE-1424



\$18⁰⁰

Light click

MIKROE-1489



\$14⁵⁰

Altitude click

MIKROE-1444



\$35⁰⁰

Thunder click

MIKROE-1436



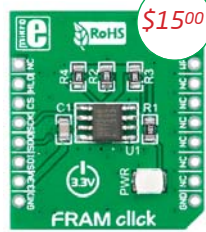
Fiber Opt click 3.3V

MIKROE-1470



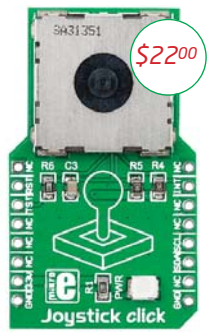
Fiber Opt click 5V

MIKROE-1486



FRAM click

MIKROE-1506



Joystick click

MIKROE-1445



Proximity click

MIKROE-1438



Color click

MIKROE-1435



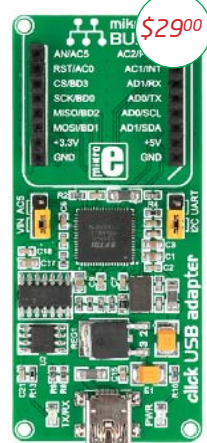
ccRF click

MIKROE-1434



RFid click

MIKROE-1433



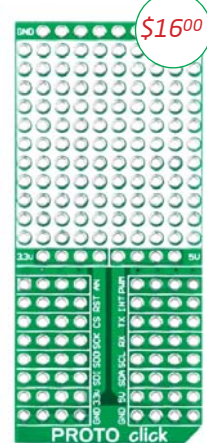
click USB adapter

MIKROE-1446



CapSense click

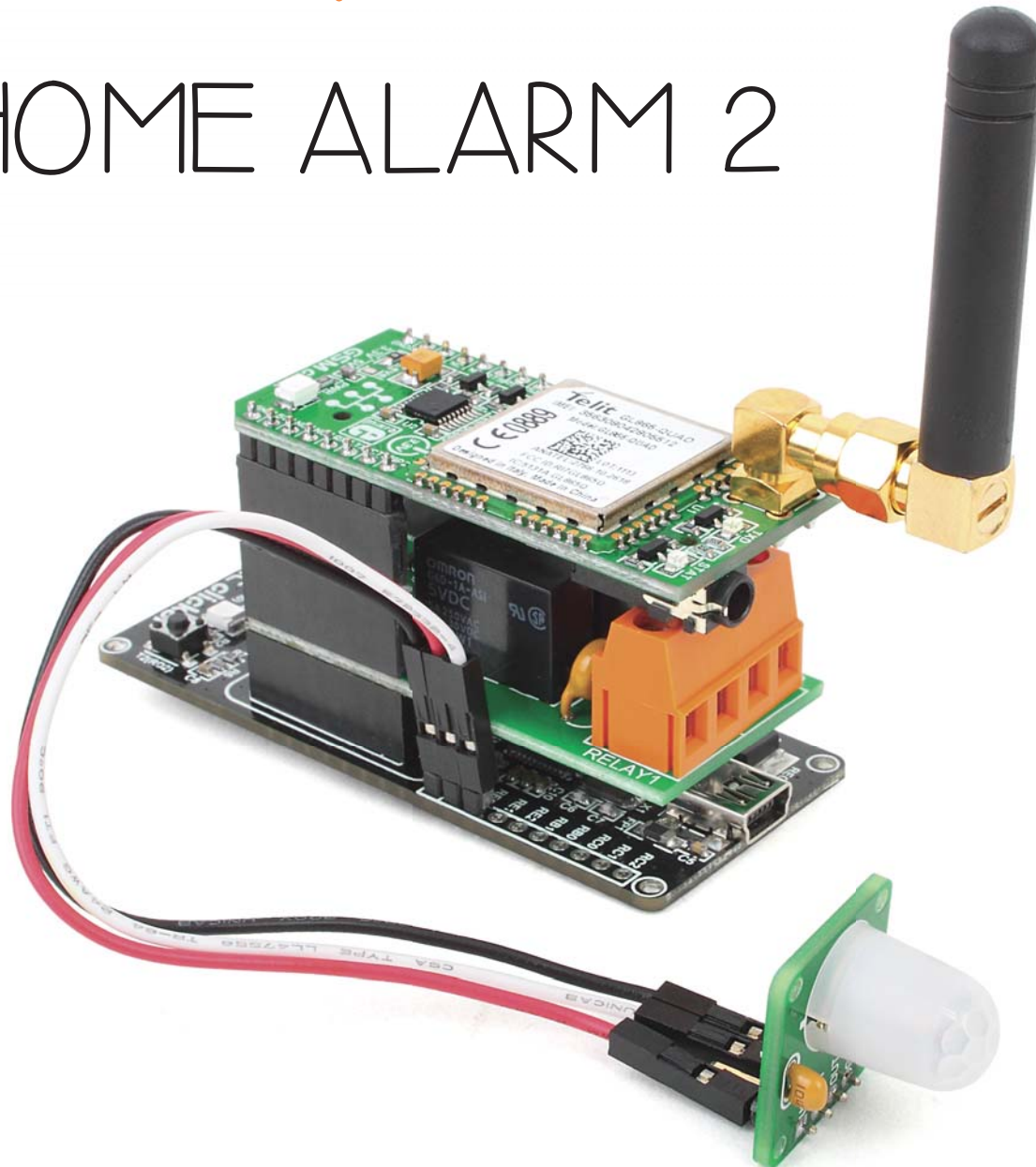
MIKROE-1507



PROTO click

Let's make ✈️

SMS HOME ALARM 2



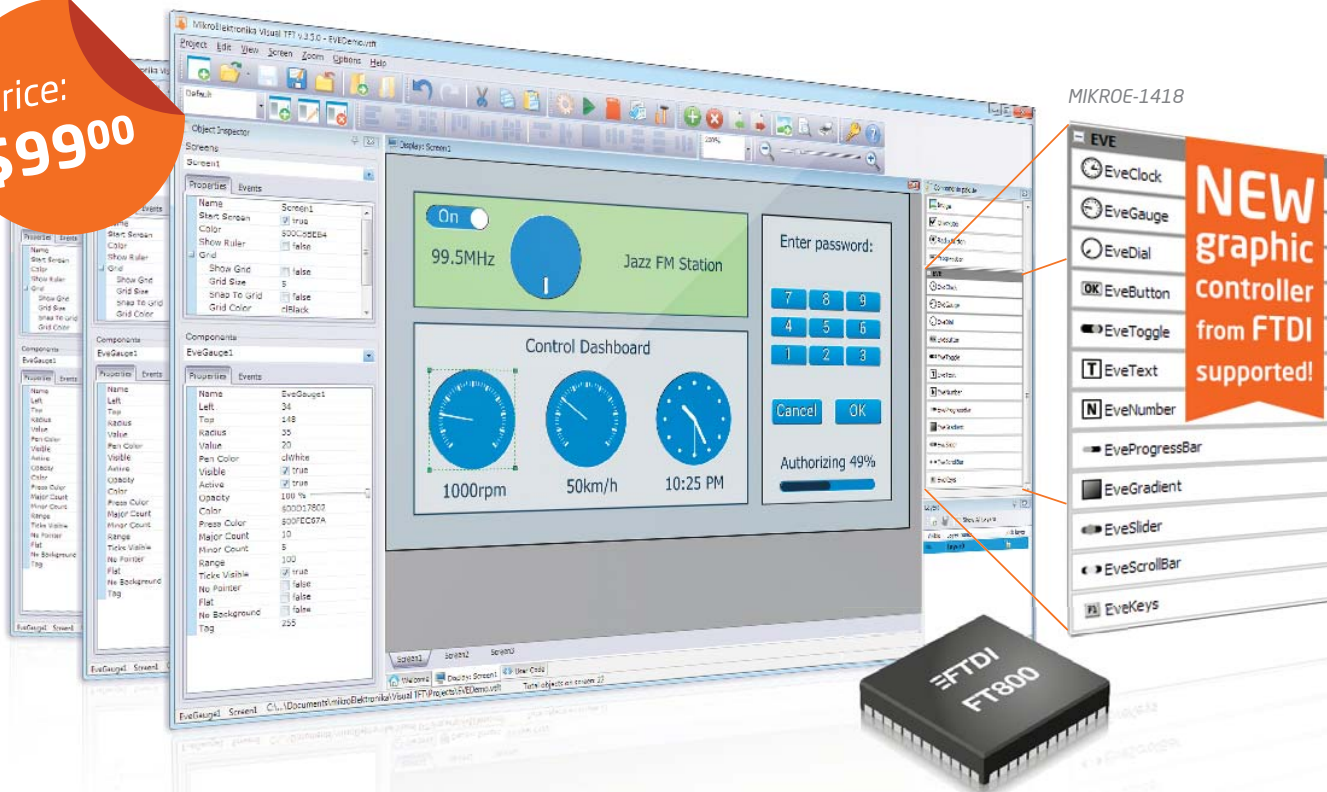




VISUAL TFT

GUI Design Software

price:
\$99⁰⁰



MIKROE-1418

NEW
graphic
controller
from FTDI
supported!

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.



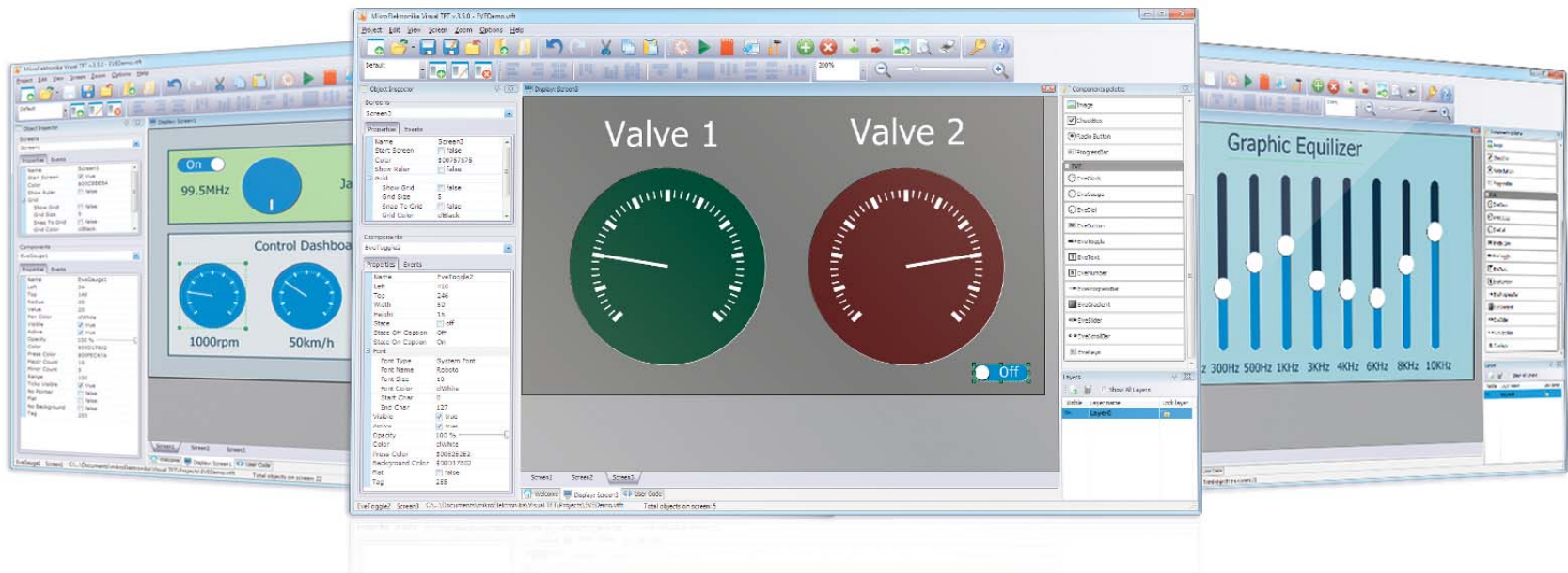
SOFTWARE GENERATES CODE COMPATIBLE WITH MIKROC, MIKROBASIC AND MIKROPASCAL COMPILERS FOR ALL SUPPORTED MCU ARCHITECTURES.



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

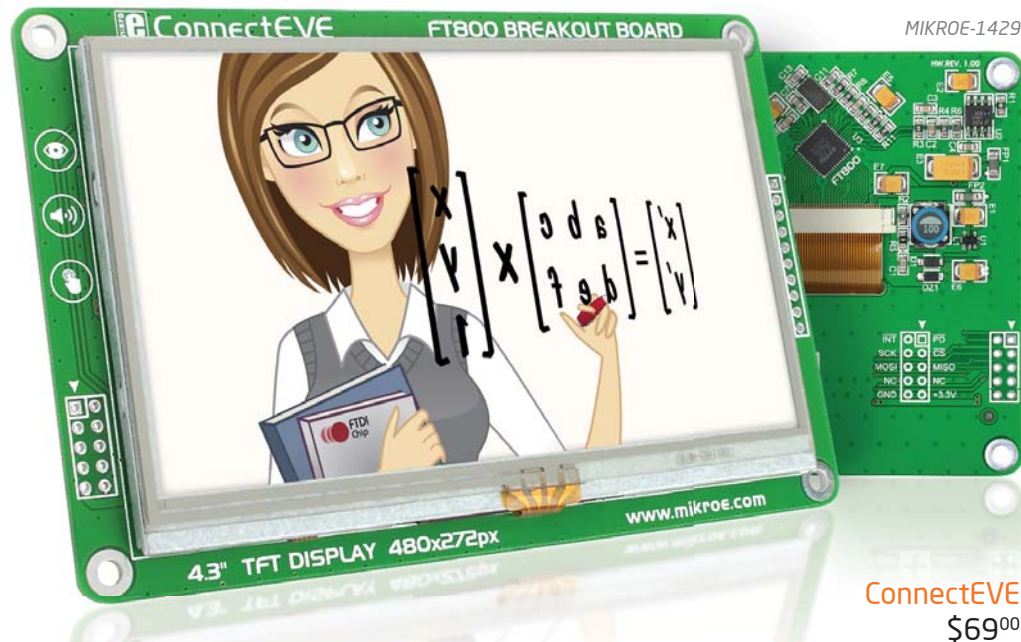
Visual TFT license guarantees you free product lifetime technical support, so you can rely on our help when developing.



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.

Meet EVE



Five star graphics even on 8-bit MCUs

We are proud to be the first manufacturer in the world to release two boards for FTDI Chip's cutting-edge **FT800/EVE graphics controller**. We call them **ConnectEVE** and **EVE click**. **ConnectEVE** brings fast and visually stunning user interfaces to your devices. It's state-of-the-art FT800Q graphics controller integrates display, audio and touch onto a low cost, easy-to-use, single-chip solution. Twelve components (widgets) natively supported by FT800Q chip, transparency support, anti-aliasing and other features will make your designs shine. **EVE Click** features FT800Q graphics controller and additional modules all packed in mikroBUS™ form factor. It communicates with a microcontroller over **SPI interface** (up to 30 MHz). EVE click contains flat cable connector for connecting 4.3" touchscreens. **Now even 8-bit MCUs can run GUI devices without worrying about performance**. FT800 easily handles 4.3" touch screen with 480x272px resolution. We provide free FT800 library for all of our mikroC, mikroBasic and mikroPascal compilers.



<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

Over **30.200 members**, **210.000 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 **720 projects** you can find PID, Modbus and many other libraries as well.

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:



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TOP CONTRIBUTORS

1. [MikroElektronika Team](#) (121 codes)
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Timer Calculator

Rating: ★★★★★

Author: [MikroElektronika Team](#)

Version: 2.7.0.0

Last Updated: 2013-12-27

Category: [Timers](#) (Real time clock)

Downloaded: 17002 times

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Description

Timer Calculator is a free software development tool used for easier calculation of timer interrupts. If you like Timer Calculator you can support further development by contributing on following page: <http://www.mikroe.com/timer-calculator/#support> [\[learn more\]](#)

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Network Ethernet Library

Rating: ★★★★★

Author: [MikroElektronika Team](#)

Version: 1.0.6.1

Last Updated: 2014-01-22

Category: [Ethernet](#)

Downloaded: 16727 times

Followed by: 34 users



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Description

Ethernet library designed to simplify handling of the underlying hardware (ENC24J600/ENC28J60 and internal ethernet module on PIC18, PIC32, TIVA and STM32). Library supports: TCP Stack (Server/Client), UDP, IPv4 protocol, ARP requests, ICMP echo requests, ARP client with cache, DNS client, DHCP client. [\[learn more\]](#)

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FAT32 Library

Rating: ★★★★★

Author: [MikroElektronika Team](#)

Version: 2.5.0.0

Last Updated: 2013-04-25

Category: [Storage](#)

Downloaded: 12952 times



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Description

FAT32 Library. File features: -open, read, write, rename, delete, existence check, multiple file operation -file cursor manipulation -swap file creation, sector-level and file-level access Directory features: -create, rename, delete (with contents), change current directory -folder content listing - card format (MMC/SD only)

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ABOUT MIKROELEKTRONIKA

For more than a decade MikroElektronika has been one of few companies in the world that produces **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 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's 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 48% of our sales are to companies and small businesses, around 27% to universities and high schools, while the rest goes to individuals (engineers, students, 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 a 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:

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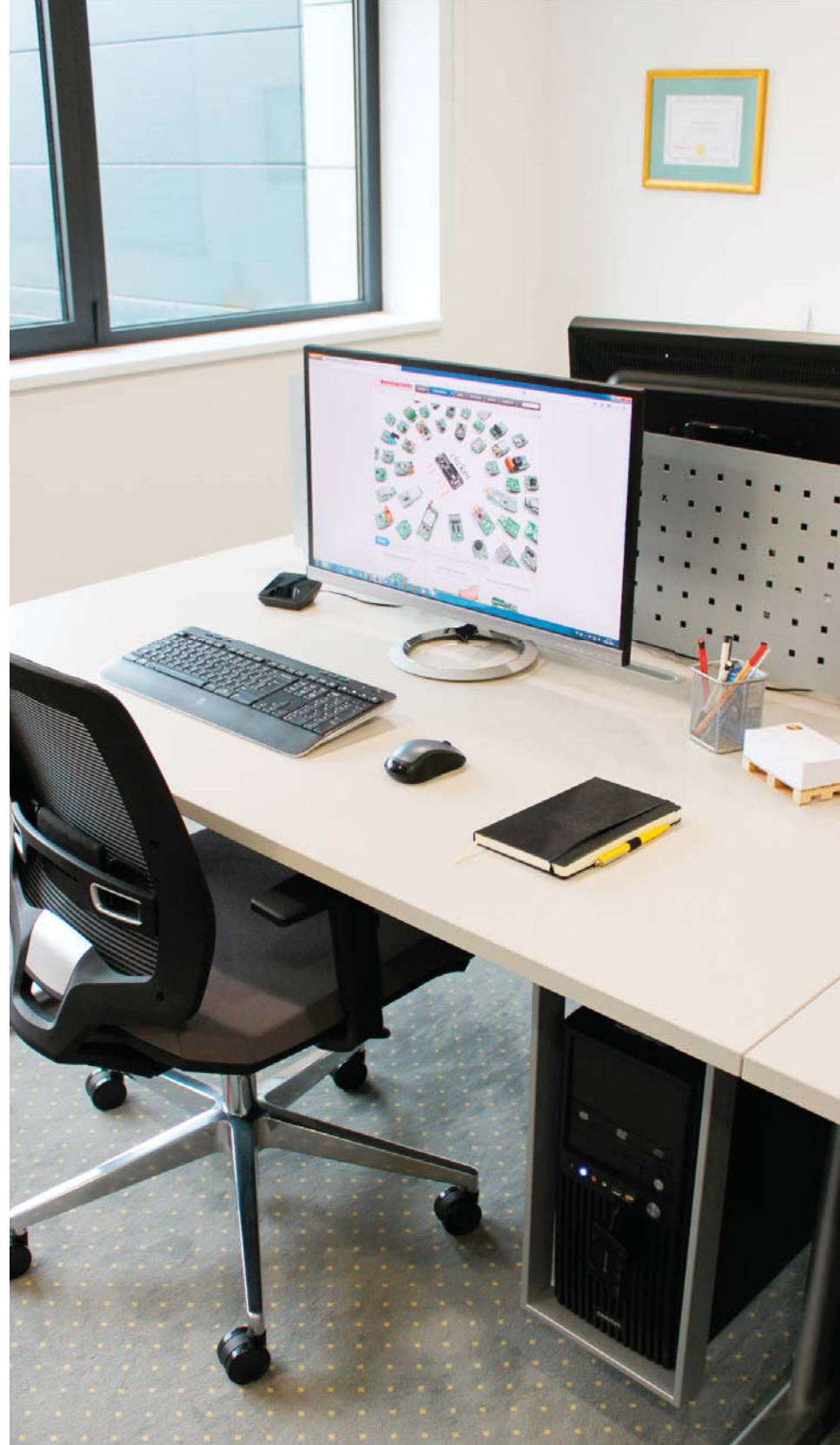
E-mail to: office@mikroe.com



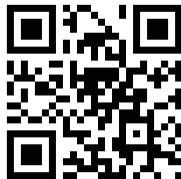
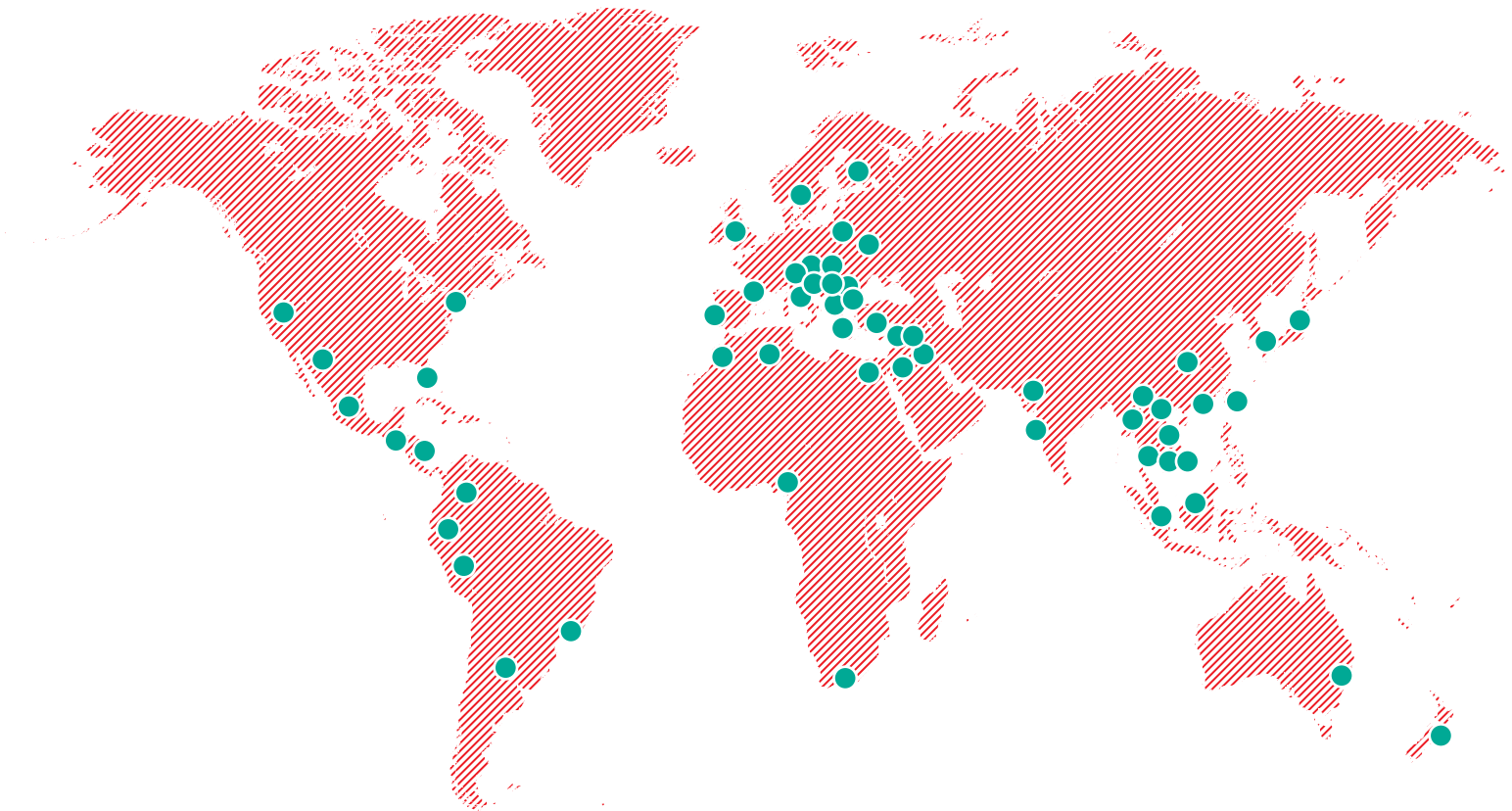




MikroElektronika headquarters



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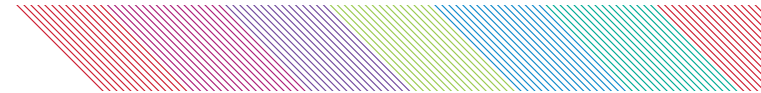
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www.mikroe.com
February 2014.

