



EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.



development solutions



Visual TFT™
and Visual GLCD™ software



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

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



PIC®

development solution

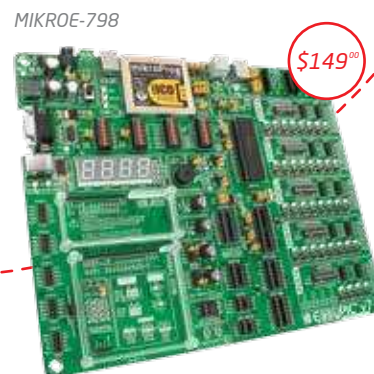
Rich set of development tools for
Microchip® PIC® MCUs, including
C, Basic and Pascal Compilers,
Development Boards, Programmers /
Debuggers and more.



IDC10 and Click™
add-on boards

EasyPIC PRO v7

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



mikromedia™ for PIC18FJ®

EasyPIC™ v7

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

CLICK A PRODUCT
TO SEE THE
DETAILS

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



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

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

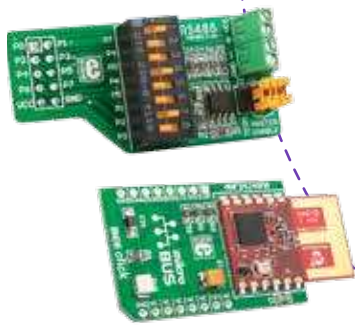


mikroProg™ for PIC®,
dsPIC® and PIC32® programmer &
debugger



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

EasyPIC™ Fusion v7

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



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

EasyPICv7 for dsPIC30®

Development board for Microchip®
dsPIC30F® devices in DIP packaging

Visual TFT™
and Visual GLCD™ software



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

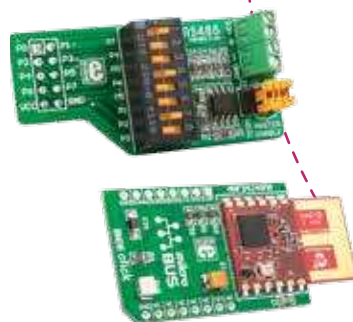
mikroProg™ for PIC®, dsPIC® and PIC32®
programmer & debugger



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



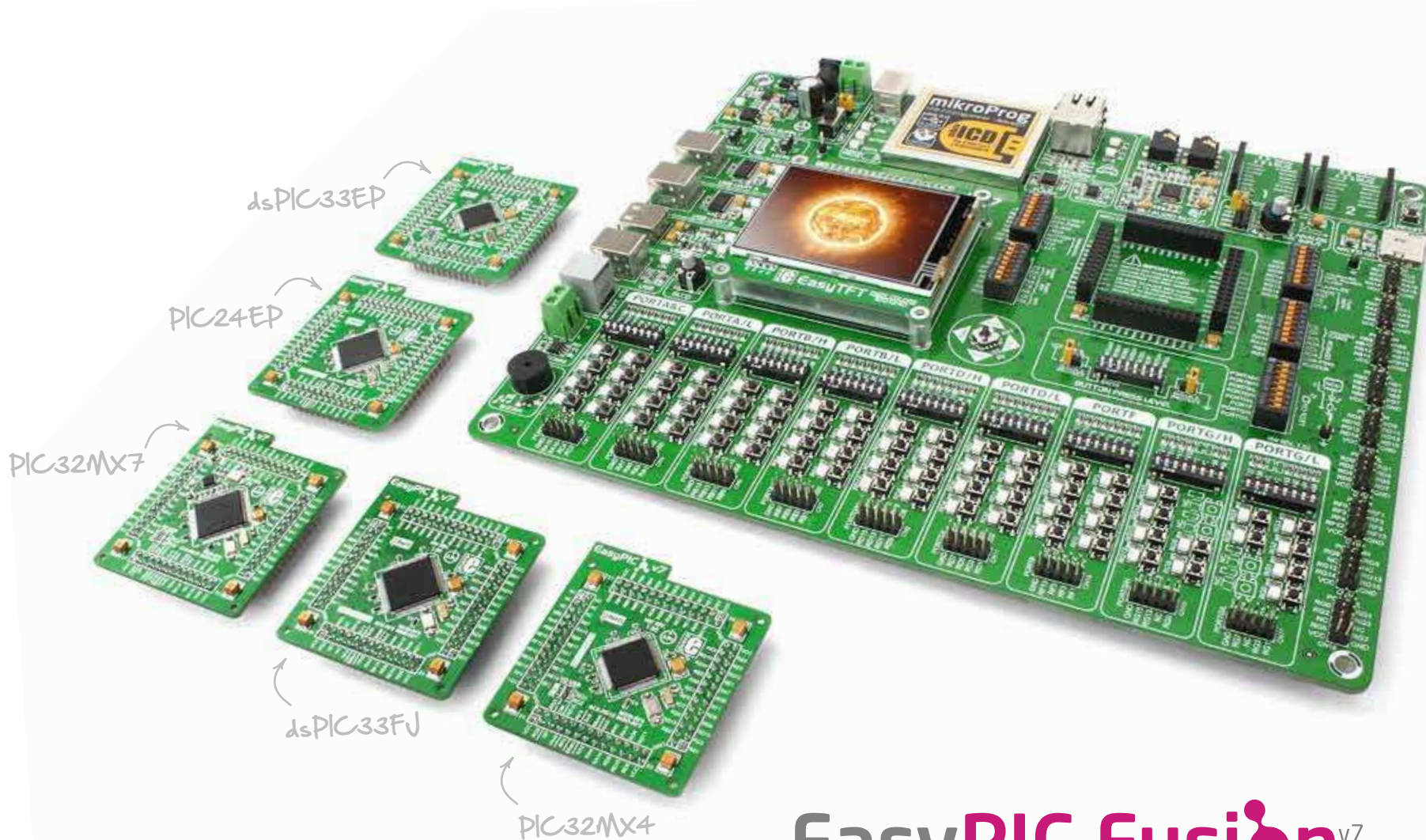
mikromedia™ for PIC32®

multimedia for PIC32MX7

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



NOMINATED FOR
embedded AWARD 2013
In the Best Tools Category



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



Visual TFT™
and Visual GLCD™ software



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

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



Stellaris® - MIKROE-1031
STM32® - MIKROE-1100

ARM®

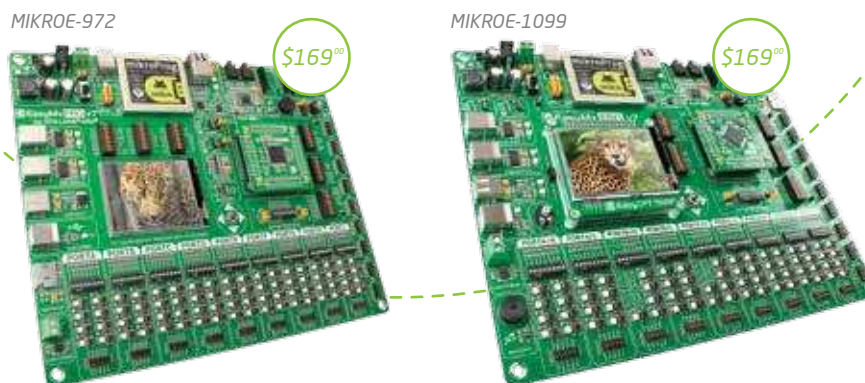
development solution

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



IDC10 and Click™
add-on boards

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



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

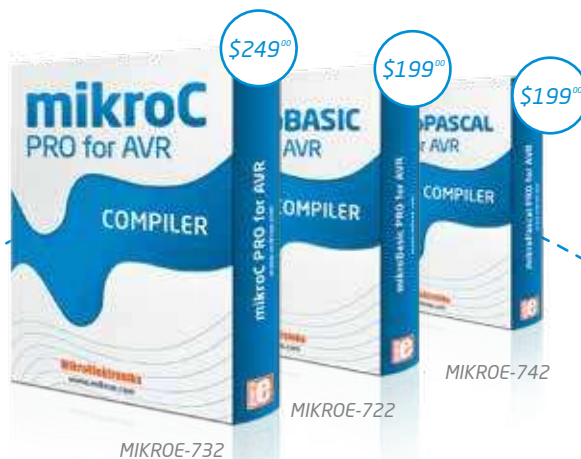


EasyMx PRO™ v7 STM32
Development board for STM32®
ARM® Cortex™-M3 and Cortex™-M4 devices

CLICK A PRODUCT
TO SEE THE
DETAILS



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



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

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



mikroProg™ for AVR®
programmer

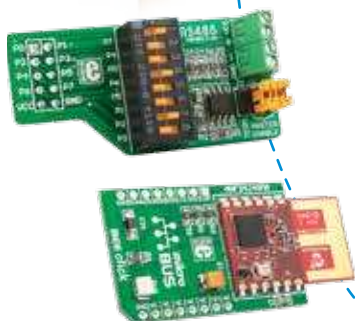


AVR®

development solution

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

IDC10 and Click™
add-on boards



BIGAVR6™

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

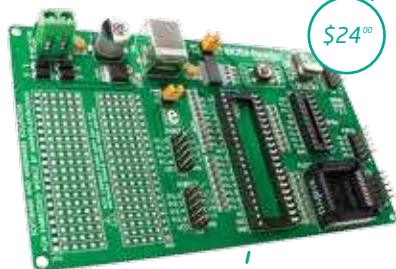


mikromedia™ for XMEGA

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



MIKROE-257



\$24⁰⁰

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

MIKROE-1456

MIKROE-1452

MIKROE-1454

8051[®]

development solution

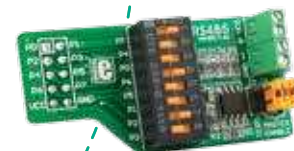
Full set of development tools, compilers and programmers for 8051 microcontrollers from Atmel® and Silabs®.

MIKROE-1382



\$69⁰⁰

mikroProg™ for 8051
Supports all Atmel® AT89 devices.



IDC10 add-on boards

MIKROE-598



\$169⁰⁰

BIG8051

Full-featured development environment for Silicon Labs C8051Fxxx microcontrollers

MIKROE-455



\$139⁰⁰

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

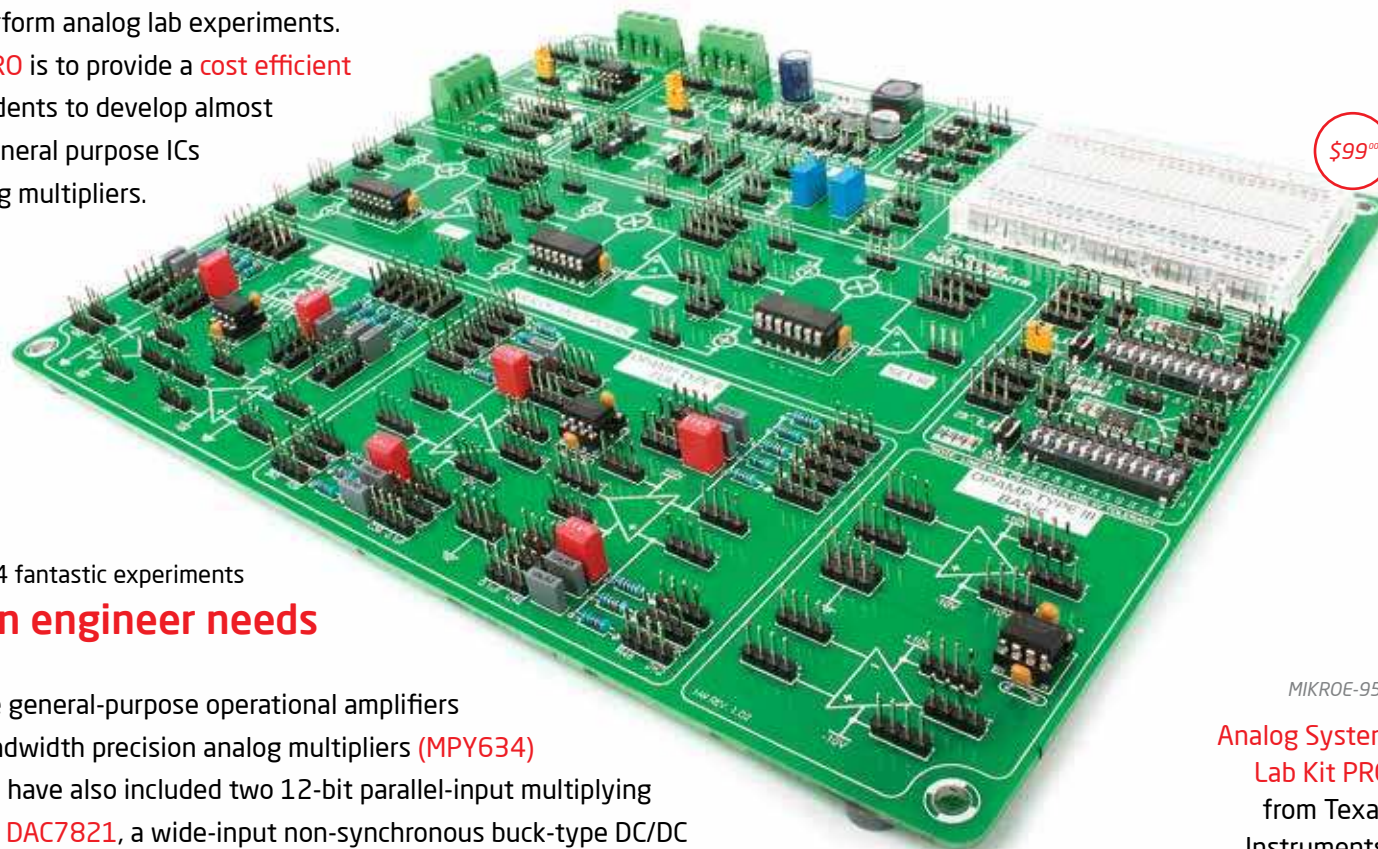


Built from the
best components

Manuals
that teach



14 exercises
and examples



\$99.00

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+

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

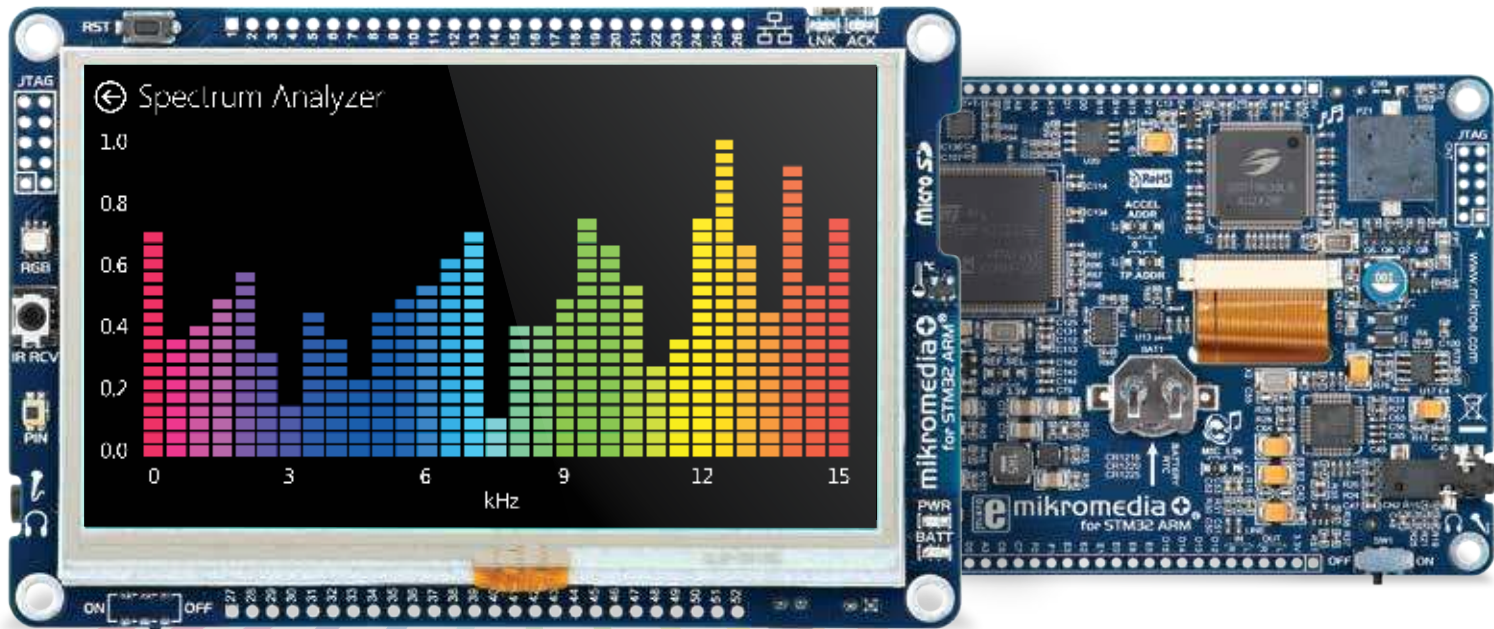


for STM32 ARM

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.



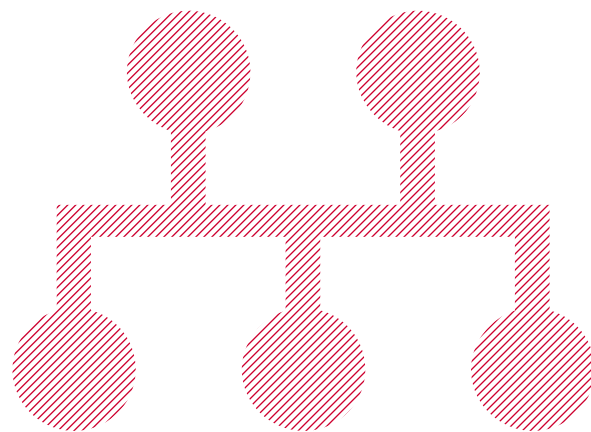
Ever Tried **168MHz** on a microcontroller?



mikromedia⁺
for STM32⁺



ARMY OF CLICKS



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



\$24⁰⁰

ADC click

MIKROE-950



\$18⁰⁰

DAC click

MIKROE-990



\$17⁹⁰

LightHz click

MIKROE-951



\$12⁰⁰

EXPAND click

MIKROE-1199



\$10⁰⁰

Flash click

MIKROE-923



\$16⁹⁰

DIGI POT click

MIKROE-1195



\$25⁹⁰

IrDA2 click

MIKROE-945



\$9⁰⁰

BUZZ click

MIKROE-924



\$16⁰⁰

microSD click

MIKROE-947



\$21⁰⁰

RTC click

MIKROE-948



\$21⁰⁰

RTC2 click

MIKROE-1200



\$8⁰⁰

EEPROM click

MIKROE-1197



\$29⁰⁰

THERMO click

MIKROE-946



\$21⁰⁰

MP3 click

MIKROE-1196



\$21⁰⁰

Opto click

MIKROE-988



\$21⁰⁰

CAN SPI click

MIKROE-986



\$21⁰⁰

CAN SPI click 3.3V

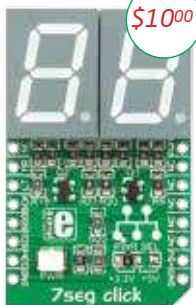
MIKROE-987



\$29⁰⁰

BEE click

MIKROE-1201



\$10⁰⁰

7seg click

MIKROE-1203



\$13⁹⁰

USB UART click

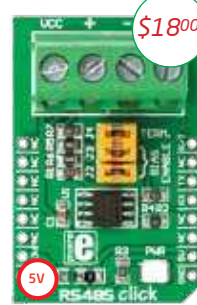
MIKROE-1204



\$13⁹⁰

USB SPI click

MIKROE-925

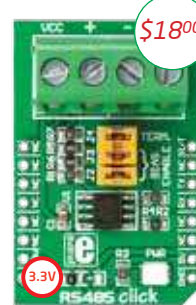


\$18⁰⁰

5V

RS485 click 5V

MIKROE-989



\$18⁰⁰

3.3V

RS485 click 3.3V

MIKROE-1194



\$19⁰⁰

Accel click

MIKROE-1379



\$25⁰⁰

Gyro click

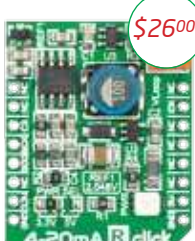
MIKROE-1296



\$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

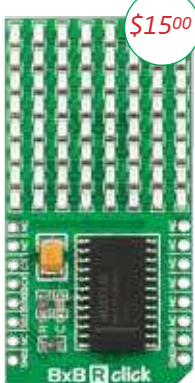
MIKROE-1306



\$15⁰⁰

8x8 G click

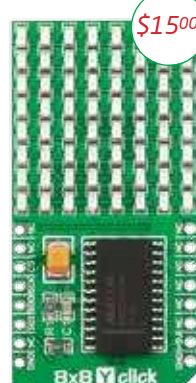
MIKROE-1295



\$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

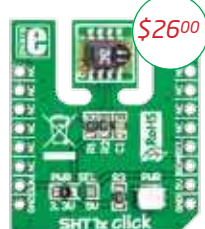
MIKROE-1386



\$25⁰⁰

Compass click

MIKROE-949



\$26⁰⁰

SHT1x click

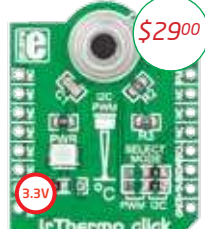
MIKROE-1377



\$9⁵⁰

IR click

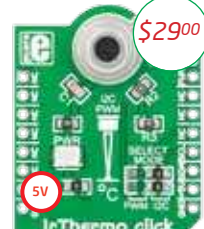
MIKROE-1361



\$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

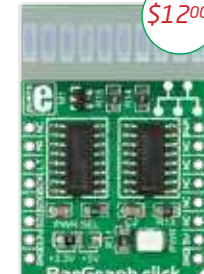
MIKROE-1430



\$39⁰⁰

EVE click

MIKROE-1423



\$12⁰⁰

BarGraph click

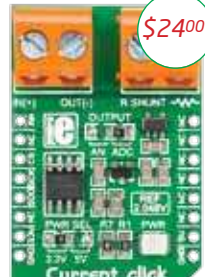
MIKROE-1421



\$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

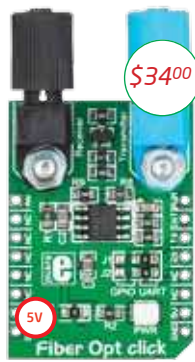
MIKROE-1436



\$34⁰⁰

Fiber Opt click 3.3V

MIKROE-1470



\$34⁰⁰

Fiber Opt click 5V

MIKROE-1486



FRAM click

MIKROE-1506



\$22⁰⁰

Joystick click

MIKROE-1445



\$17⁰⁰

Proximity click

MIKROE-1438



\$15⁰⁰

Color click

MIKROE-1435



\$22⁰⁰

ccRF click

MIKROE-1433



\$29⁰⁰

click USB adapter

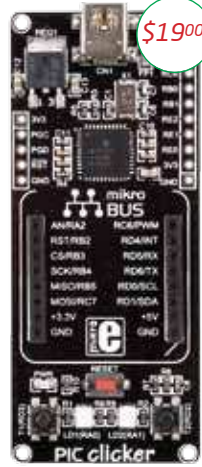
MIKROE-1446



\$16⁰⁰

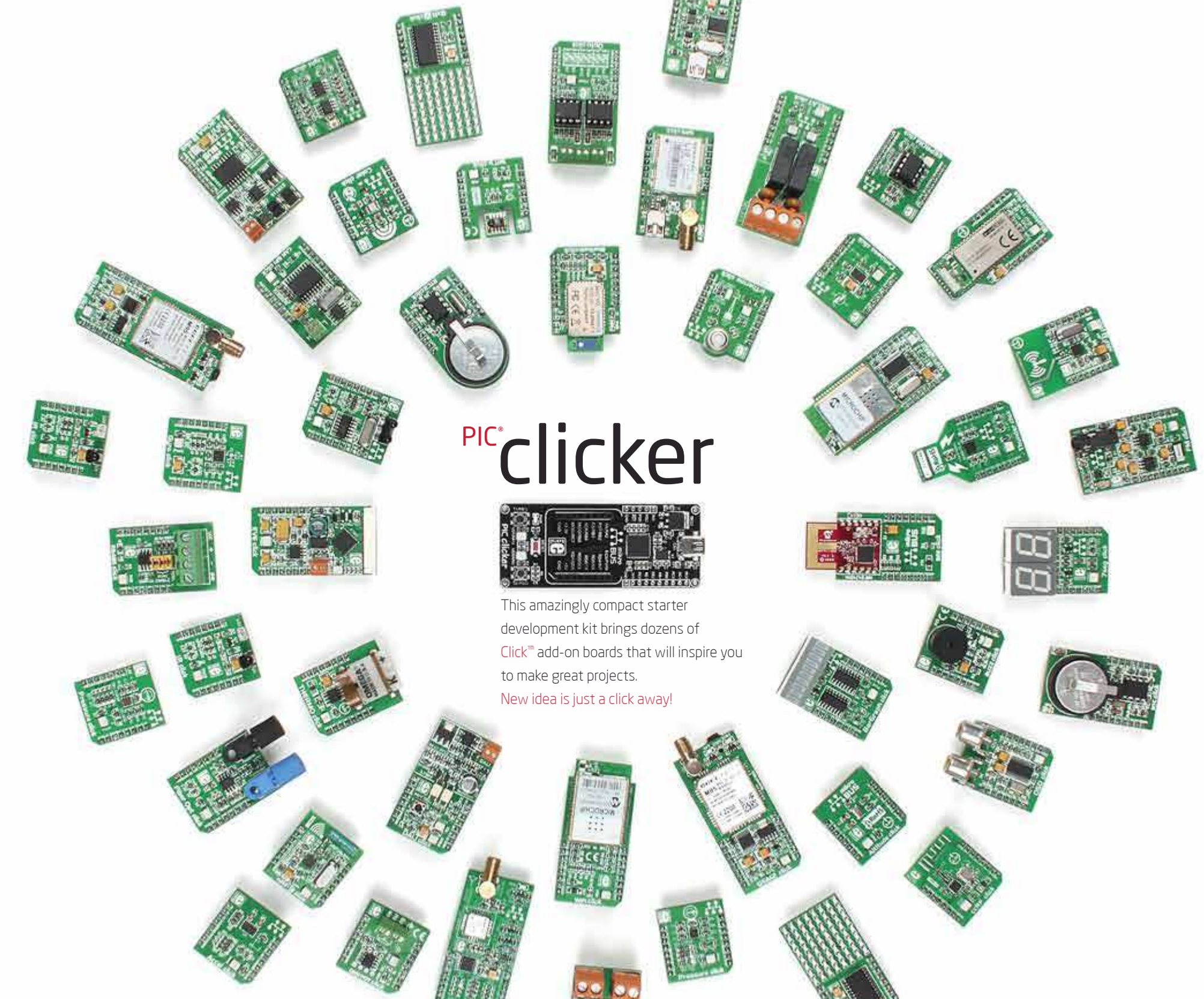
CapSense click

MIKROE-1487



\$19⁰⁰

PIC clicker



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!

mikromedia



mikromedia boards



mikromedia for PIC32
(features PIC32MX460F512L)

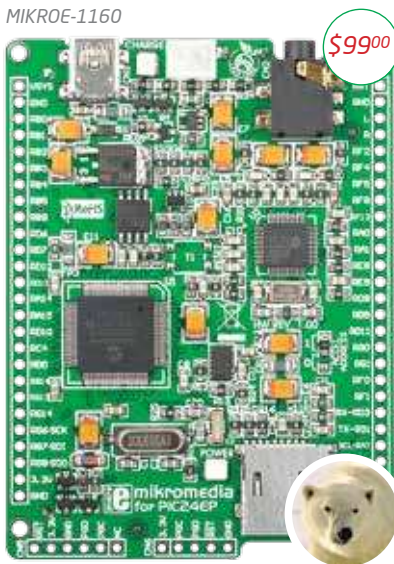
Swiss Army Knives for Multimedia Developers

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.

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



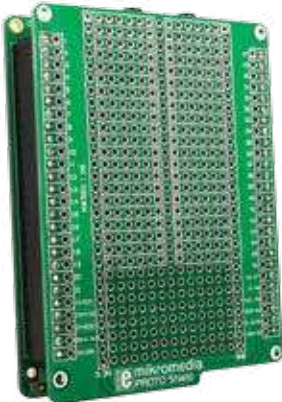
mikroBUS Shield - \$7⁵⁰

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

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**.

28

slow

fast



MIKROE-911
PIC18F45K22



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)





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.



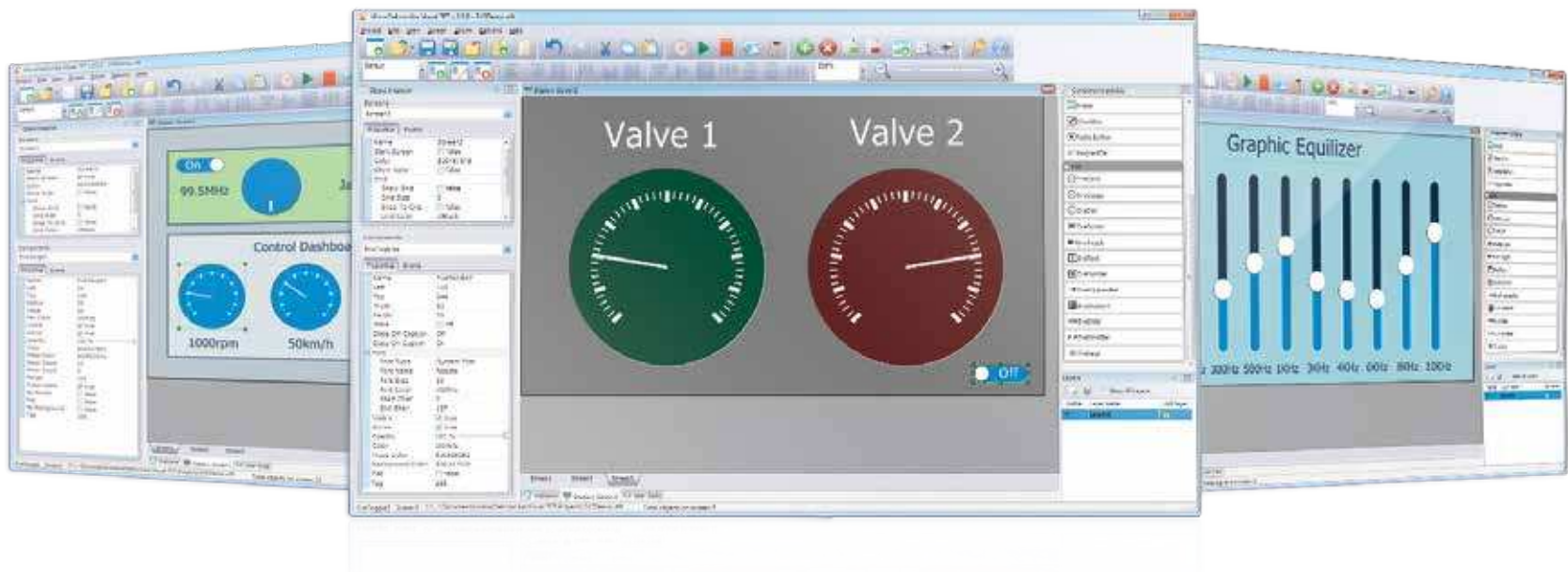
SOFTWARE GENERATES CODE COMPATIBLE WITH MIKROC, MIKROBASIC AND MIKROPASCAL COMPILERS FOR ALL SUPPORTED MCU ARCHITECTURES.



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



ConnectEVE
\$69⁰⁰



EVE click
\$39⁰⁰

Five star graphics even on 8-bit MCUs

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<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 **29.500 members**, **205.000 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 **670 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](#) (116 codes)
2. [Alcides Ramos](#) (49 codes)
3. [Dany](#) (47 codes)
4. [NART SCHINACKOW](#) (34 codes)

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Network Ethernet Library

Rating: ★★★★★

Author: [MikroElektronika Team](#)

Version: 1.0.5.0

Last Updated: 2013-07-18

Category: [Ethernet](#)

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Description

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

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Timer Calculator

Rating: ★★★★★

Author: [MikroElektronika Team](#)

Version: 2.6.0.0

Last Updated: 2013-10-08

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

Downloaded: 13540 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>

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FAT32 Library

Rating: ★★★★★

Author: [MikroElektronika Team](#)

Version: 2.5.0.0

Last Updated: 2013-04-25

Category: [Storage](#)

Downloaded: 11548 times

Followed by: 24 users



[Download \[2.59MB\]](#)

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 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

Phone

Fax



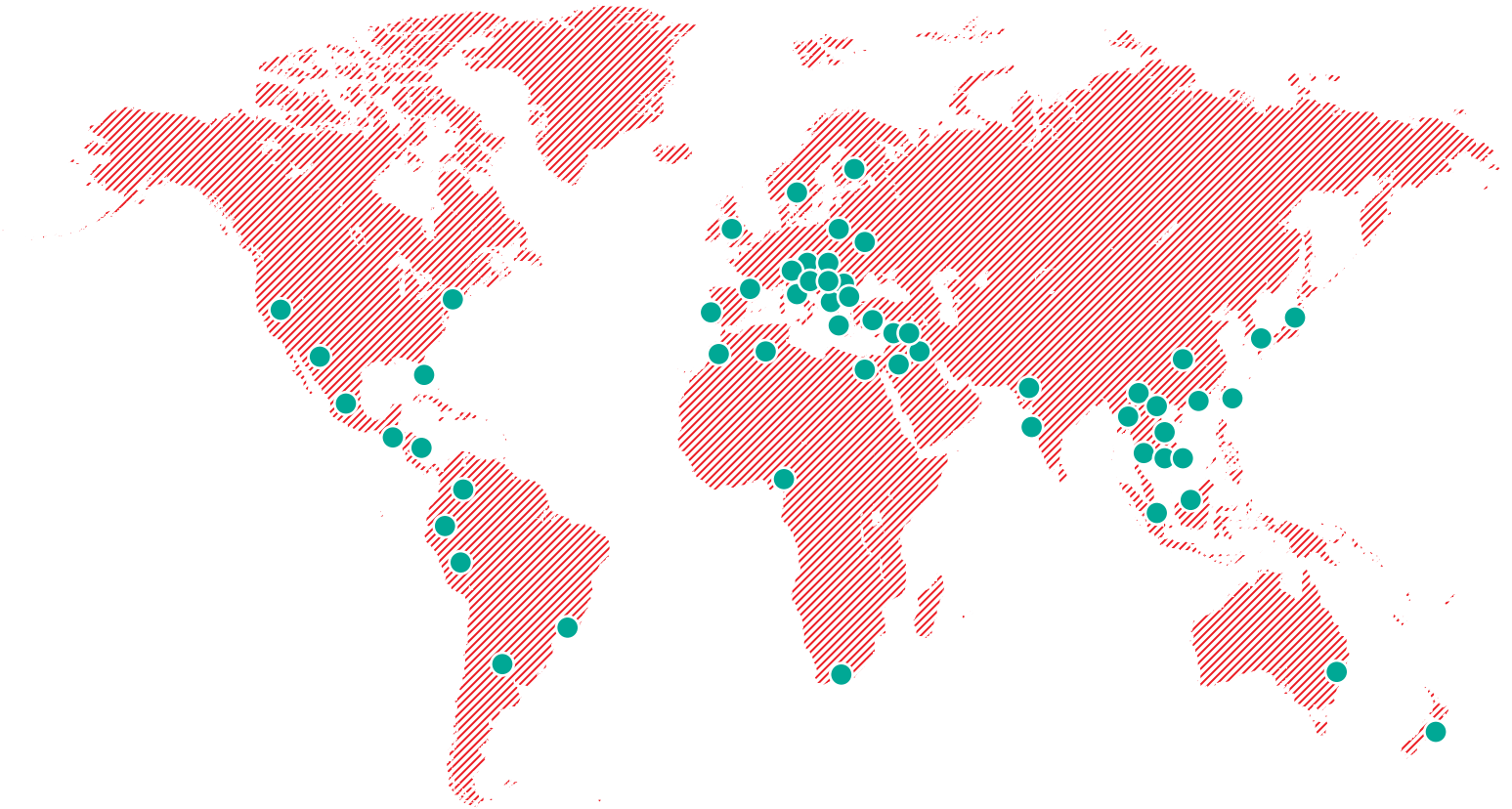
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E-mail to: office@mikroe.com

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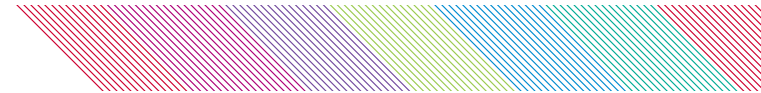
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<http://www.mikroe.com/distributors/>

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