development solutions
Home for 250 PICs
PIC® development solution

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

- **mikroC™**, **mikroBasic™** and **mikroPascal™** PRO for PIC® compilers
- **mikroProg™** for PIC®, dsPIC® and PIC32® programmer & debugger
- **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
- **IDC10** and **Click™** add-on boards
- **Visual TFT™** and **Visual GLCD™** software

dsPIC® development solution

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

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

Visual TFT™ and Visual GLCD™ software

IDC10 and Click™ add-on boards

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

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

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

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

http://www.mikroe.com/dspic/
PIC32® development solution

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

- **EasyPIC™ Fusion v7**: A full-featured development board for Microchip dsPIC33®, PIC24® and PIC32® microcontrollers
- **Visual TFT™ and Visual GLCD™ software**
- **mikroC™, mikroBasic™ and mikroPascal™ PRO** for PIC32® compilers
- **mikroProg™** for PIC®, dsPIC® and PIC32® programmer & debugger
- **IDC10 and Click™ add-on boards**
- **mikromedia™** for PIC32®
- **multimedia for PIC32MX7** Platform for multimedia development on a powerful PIC32MX795F512L. Board features 320x240px TFT Touch Screen

Price: $299

http://www.mikroe.com/pic32/
NOMINATED FOR

**embedded AWARD 2013**

In the Best Tools Category

EasyPIC Fusion

16-bit and 32-bit worlds united.
Complete development toolchain for ARM Cortex-M3 and Cortex-M4 MCUs, including Compilers, Development Boards, Programmer / Debugger.

- **EasyMx PRO™ v7 for Stellaris™**
  Development board for TI Stellaris® ARM® Cortex™-M3 and Cortex™-M4 devices
- **mikroProg™ for Stellaris®**
  and mikroProg® for STM32® programmers & debuggers
- **mikroC™, mikroBasic™ and mikroPascal™ PRO**
  for ARM® compilers
- **mikromedia™**
  for Stellaris® M3, STM32 M3 and STM32 M4
- **IDC10 and Click™ add-on boards**
- **Visual TFT™ and Visual GLCD™ software**
- **EasyMx PRO™ v7 STM32**
  Development board for STM32® ARM® Cortex™-M3 and Cortex™-M4 devices

AVR development solution

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

- mikroC™, mikroBasic™ and mikroPascal™ PRO for AVR® compilers
- Visual TFT™ and Visual GLCD™ software
- microwProg™ for AVR® programmer
- 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

http://www.mikroe.com/avr/
8051® development solution

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

- **mikroC™, mikroBasic™, mikroPascal™ PRO for 8051® compilers**
- **mikroProg™ for 8051** supports all Atmel® AT89 devices.
- **IDC10 add-on boards**
- **Big8051**
- **Easy8051™ v6**
- **8051-ready** small development board with MCU sockets, USB-UART module and breadboard area
- **BIG8051** full-featured development environment for Silicon Labs C8051Fxxx microcontrollers

Available at [www.mikroe.com/8051/](http://www.mikroe.com/8051/)
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.

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.
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.

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.

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?
ARMY OF CLICKS
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!
http://www.mikroe.com/click/

Compass click
SHT1x click
IR click
IrThermo click 3.3V
IrThermo click 5V
BlueTooth click
BlueTooth2 click
OSD click
RELAY click
GSM click
GSM2 click
FM click
EVE click
BarGraph click
FTDI click
Current click
Adapter click
Pressure click
Light click
Altitude click
Thunder click
Fiber Opt click 3.3V
Fiber Opt click 5V
FRAM click
Joystick click
Proximity click
Color click
cCRF click
click USB adapter
CapSense click
PIC clicker

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$17.00
$15.00
$1500
$2900
$1900
$1600
$1500
$3400

http://www.mikroe.com/click/
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

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.
mikromedia for **PIC24EP**  
(features PIC24EP512GU810)  

mikromedia for **dsPIC33EP**  
(features dsPIC33FJ256GP710A)  

mikromedia for **dsPIC33**  
(features dsPIC33FJ256GP710A)  

mikromedia for **STM32**  
(features STM32F207VGT6 or STM32F407VGT6)  

mikromedia for **Stellaris M3**  
(features LM3S9B95)  

mikromedia for **XMEGA**  
(features ATXMEGA128A1)  

mikromedia for **PIC18FJ**  
(features PIC18F87J50)  

mikromedia for **PIC24**  
(features PIC24Fj256GB110)  

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http://www.mikroe.com/mikromedia/
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.

- mikroBUS Shield - $7.50
- Battery BOOST Shield - $14.00
- PROTO Shield - $6.00
- Connect Shield - $16.00

Scan QR code to see mikromedia Gaming Shield library

mikromedia Gaming Shield - $18.00
MINI boards
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.
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.

http://www.mikroe.com/visualtft/
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.
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.
MikroElektronika offers Free Tech Support, so if something goes wrong, we will be ready and willing to help!

Over 29,500 members, 205,000 posts and resourceful topics with solutions and code snippets make our forum a great place for embedded developers.

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.

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/
twitter.com/mikroel/
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vimeo.com/mikroelektronika/
linkedin.com/company/mikroelektronika/
Network Ethernet Library

Rating: ★★★☆☆
Author: MikroElektronika Team
Version: 1.0.5.0
Last Updated: 2013-07-18
Category: Ethernet
Downloaded: 14893 times
Followed by: 38 users

Description
Ethernet library designed to simplify handling of the underlying hardware (ENC24J60/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.

Download [14.95MB]

Timer Calculator

Rating: ★★★☆☆
Author: MikroElektronika Team
Version: 2.6.0.0
Last Updated: 2013-10-08
Category: Timers (Real time clock)
Downloaded: 13540 times
Followed by: 9 users

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/

Download [1.83MB]

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

Description
FAT32 Library: File transfer - 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).

Download [2.59MB]
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:

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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/
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