mikromedia Plus for TIVA

PID: MIKROE-2660

mikromedia PLUS for TIVA is an amazingly compact, all-on-single-pcb development board carrying 4.3'' TFT Touch Screen and lots of multimedia peripherals, all driven by the powerful TM4C123GH6PGEI microcontroller from ARM® CortexTM-M4 family.

Note: this is a substitute for the mikromedia Plus for Stellaris.

mikromedia Plus for TIVA

Start building your applications with intuitive, user-friendly menus and dashboards using powerful Texas Instruments TM4C123GH6PGEI microcontroller. This board provides a compact high-quality multimedia development platform for the ARM® CortexTM-M4 family device.
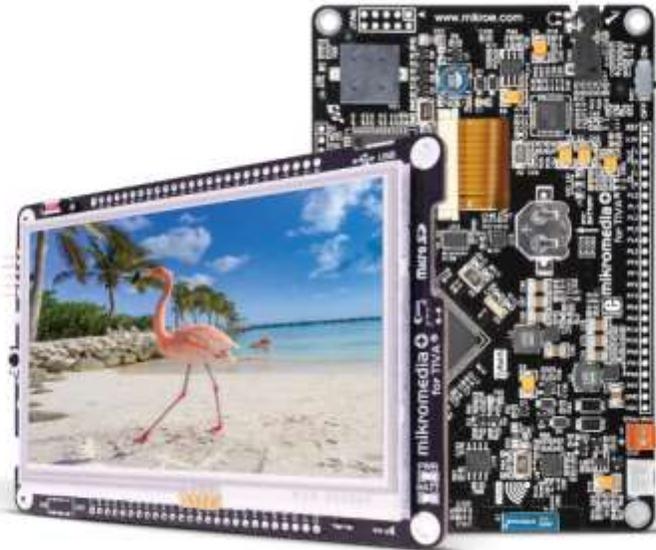
Fast and furious

Powerful TM4C123GH6PGEI microcontroller from ARM® CortexTM-M4 family. The 80 MHz processor core, 256 KB of Flash memory, and 100 DMIPS performance are only some of the features on this MCU.

Large 4.3" Touch Screen

See the big picture. A 4.3" touchscreen driven by FT810 graphics controller from FTDI delivers crystal sharp image in 480x272px resolution.

2.4GHz RF transceiver

mikromedia PLUS for TIVA features an RF transceiver chip with 2.4GHz chip antenna. Drive it with simple SPI commands. It that easy.

A whole lot of modules

Board has it all: USB connector, temperature sensor, PIN photosensor, IR receiver, battery charger, MP3 codec, audio speaker, etc.

What's on the board

Get to know your board even before you buy it. Become a mikromedia geek.

Check out what the mikromedia Plus for TIVA has to offer. Beauty in the front and functionality in the back. You won't be able to resist the super sleek design.

We singled out some of the main features. For a more detailed explanation of each one, see the
Manual.

microSD card slot

3.55mm audio connector

Screw terminals power supply

Li-Po battery connector

USB port

RF transceiver antenna
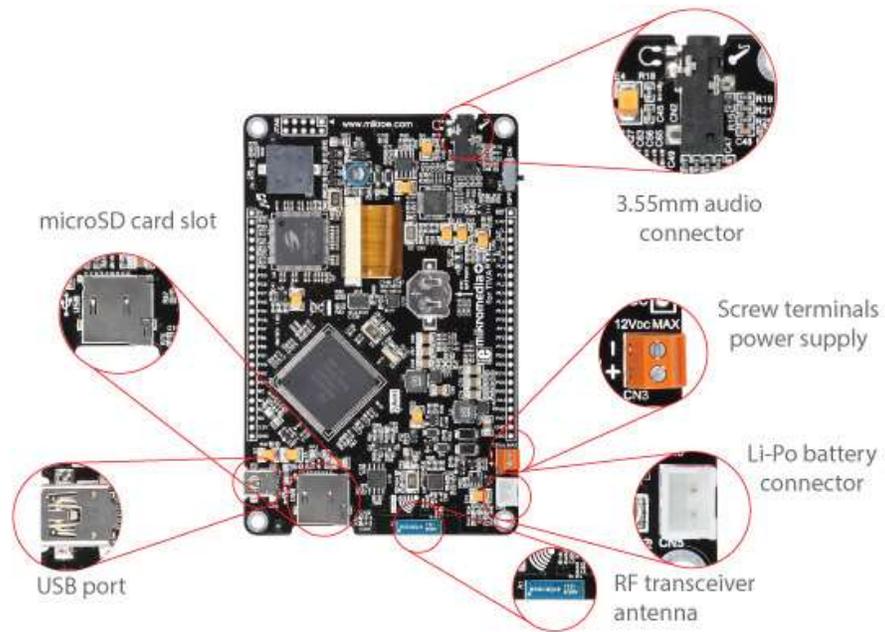
Programming

Onboard microcontroller is preprogrammed with fast USB HID bootloader, so it's ready to work right out of the box. You don't have to spend a dollar more on programmers. If you need a debugger use mikroProg for Tiva.

Compilers

Mikromedia PLUS for TIVA is fully supported by [mikroC](#), [mikroBasic](#) and [mikroPascal](#) compilers. Compilers come with dozens of examples that demonstrate every feature of the board.

Specifications

Applications	Best used as a development board but also as a final product. Use cases include industrial, medical, automotive and other dashboards and equipment.
Displays	TFT full-color
Display size	4.3"
Touch Screen	Resistive
Architecture	ARM (32-bit)
MCU	TM4C123GH6PGEI
Programming	Preprogrammed with fast USB HID bootloader.
Expandability	Two 1x26 headers, mikromedia standard pinout
Integration	Mounting holes
Input Voltage	5V (Via USB) or 5-12V DC (via external adapter)

GUI design with Visual TFT

Easily create fantastic colourful graphical user interfaces (GUI) for mikromedia in Visual TFT software. Even total beginners will be able to create amazing applications.

Package Contains

- Damage resistant protective box
- mikromedia PLUS for TIVA board in antistatic bag
- USB cable, microSD card 2GB and 3 headers (2x5 and a pair of 1x26)