

click[™] boards meet .NET Micro framework



What's on board





Connecting terminals
Additional indication LEDs
USB Mini-B connector
Power indication LED
External power supply (+20V max)
SV voltage regulator
B00T button
RESET button

System specification



power supply via USB cable (5V DC)



board dimensions 72 x 97 mm (2.83 x 3.82 inch)



weight

≈ 50q



mikroBUS™ 4 sockets available

What is the Quail board?

Quail is a hardware development board equipped with four mikroBUS^{**} sockets and a 32-bit ARM® Cortex[®]-M4 STM32 microcontroller. The edges of the board are lined with screw terminals and USB ports for additional connectivity.

What's it for?

Quail offers a simplified way of developing hardware prototypes with C# managed code. It brings together MikroElektronika click" boards and Microsoft's. NET Micro Framework for embedded devices (NETMF). MikroElektronika is constantly expanding the range of click" boards to include all sorts of sensors, tranceivers, displays... and the MikroBUS.NET team is supporting them with high-quality drivers to make them compatible with NETMF and the Microsoft Visual Studio IDE.



1. Install the required software

To start using Quail, download the following three pieces of software:

The Microsoft .NET Micro Framework

Open source platform that enables you to write managed C# code for embedded applications.

😔 www.netmf.com

Visual Studio Community 2013 A full-featured free cross-platform IDE from Microsoft.

www.visualstudio.com

MBN Core Assembly

www.mikrobusnet.org/downloads-2



Visual Studio Community 2013

2. Get the click $^{\scriptscriptstyle \rm M}$ boards and corresponding drivers

Buzzer, Relays, WiFi, RFid, OLED, Speech recognition - you name it, we got it! There are more than a hundred click^{*} boards available. About 50 are supported so far with mikroBUS. NET drivers. More drivers are coming up all the time but if you're in a hurry instructions for building your own drivers are also available.

All available click[™] boards:





3. Building your first application

After you're done setting up the development environment with steps 1 and 2, you are ready to start building your first application.

A detailed walkthrough on how to start a project in Visual Studio, include the necessary drivers and reference the needed assembleys in your source code is available at: **G** www.mikrobusnet.org/getting-started/writing-an-application

