



.NET Micro Framework

The .NET Micro Framework is an innovative development and execution environment for resource-constrained devices. The typical .NET Micro Framework device has a 32 bit processor with no external memory management unit (MMU) and could have as little as 64K of random-access memory (RAM).

The .NET Micro Framework works best for devices that are low-cost, resource-constrained, single- or limited-function, and often connected. Examples of potential products and applications in this marketplace, some of which are already available or under development, include:



The .NET Micro Framework enables faster development of more capable embedded systems that are smart, securely connected, and easier to manage. By supporting modern development tools and paradigms, .NET Micro Framework allows embedded project managers to improve productivity by bringing innovative products to market faster and at lower cost.

[Read how](#) one company used .NET Micro Framework to go from concept to product in just 3 months.

Through its fully integrated Visual Studio experience, the .NET Micro Framework brings a reliable and productive development system to the world of embedded development. Complex applications can be developed faster by leveraging the powerful emulation and debugging capabilities. The familiar development environment allows .NET desktop programmers to work easily on embedded projects.



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