Timing is everything

Choosing the right components, such as the clocking solution, can be as important as processor selection. By Ron Wade.

In many different environments, engineers are working to achieve a system that contains various components. Fortunately, there are engineers that offer clocking solutions for the different environments. These engineers can provide a variety of solutions that can meet the needs of various systems. However, many engineers develop their own embedded system hardware to meet the specific needs of the environment. As a result, there is a lot of freedom for manufacturers to develop custom solutions to meet the needs of various systems. Many engineers have developed their own embedded systems to meet the needs of their environment. However, there are still many companies that develop their own embedded systems to meet the needs of their environment. Engineers must consider the size and shape of the system they are designing to meet the needs of the environment. In addition, engineers must consider the cost and time to develop the system. In order to meet the high expectations for reliability and performance that are typically associated with embedded applications, the manufacturers of embedded computers must have high-speed serial interfaces that can be used within the data transport. The design of a clock generator is a critical mixed signal design challenge. The configuration and control of the system is digital, with many devices offering serial programmability of output frequencies. The quality of the output clock is highly dependent upon the design of the oscillator and PLLs, as well as the device's immunity to noise. A prime requirement of a clock synthesiser targeting an embedded system is long-term stability.