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Algocraft increases the performance of the programming algorithm for Infineon 32-bit Tricore Aurix™ family

Algocraft updates the programming algorithm for Infineon 32-bit Tricore. With this new version we reached excellent performances in terms of programming times of FLASH memory and EEPROM, never seen up to now in an in-circuit multi-site system.

The WriteNow! technology allows the programming of up to 8 devices at once, drastically reducing programming times, costs, and system complexity. In addition, the WriteNow! technology performances allow to reach the theoretical programming speed for any given device, thus shortening as much as possible the programming phase of the production process.

Thanks to this optimized WriteNow! architecture, it is now possible to program AURIX Infineon family (device code TC2XX) reducing up to three times the programming speed compared to our competitors.

WriteNow! uses the standard JTAG protocol as programming interface.

Algocraft provides support of Infineon Tricore Aurix[™] family to the whole WriteNow! Series, single and parallel in-system programmers. Four models are available: WN-PRG01A (programs 1 device at a time), WN-PRG02A (programs 2 devices in parallel), WN-PRG04A (programs 4 devices in parallel), and WN-PRG08A (programs 8 devices in parallel). In addition, external demultiplexer modules are available as accessories for multiple-site WriteNow! models, giving the flexibility to program up to 32 devices in easy way.

The complete programming time for TC237LP-32F200S device (2MB embedded Flash w/ ECC protection) included the program and verify of the whole memory size is about 8 seconds. The chip erase time is about 5s.

AURIX™ is an Infineon's brand new family of microcontrollers serving exactly the needs of the automotive industry in terms of performance and safety. Its innovative multicore architecture, based on up to three independent 32-bit TriCore™ CPUs, has been designed to meet the highest safety standards while increasing the performance at the same time.

The following picture shows the Infineon AURIX Family:



