



Arm® Cortex®-A5-Based Microprocessors with 1.5MB SRAM, LCD, Security, 2x Ethernet and L2 Switch

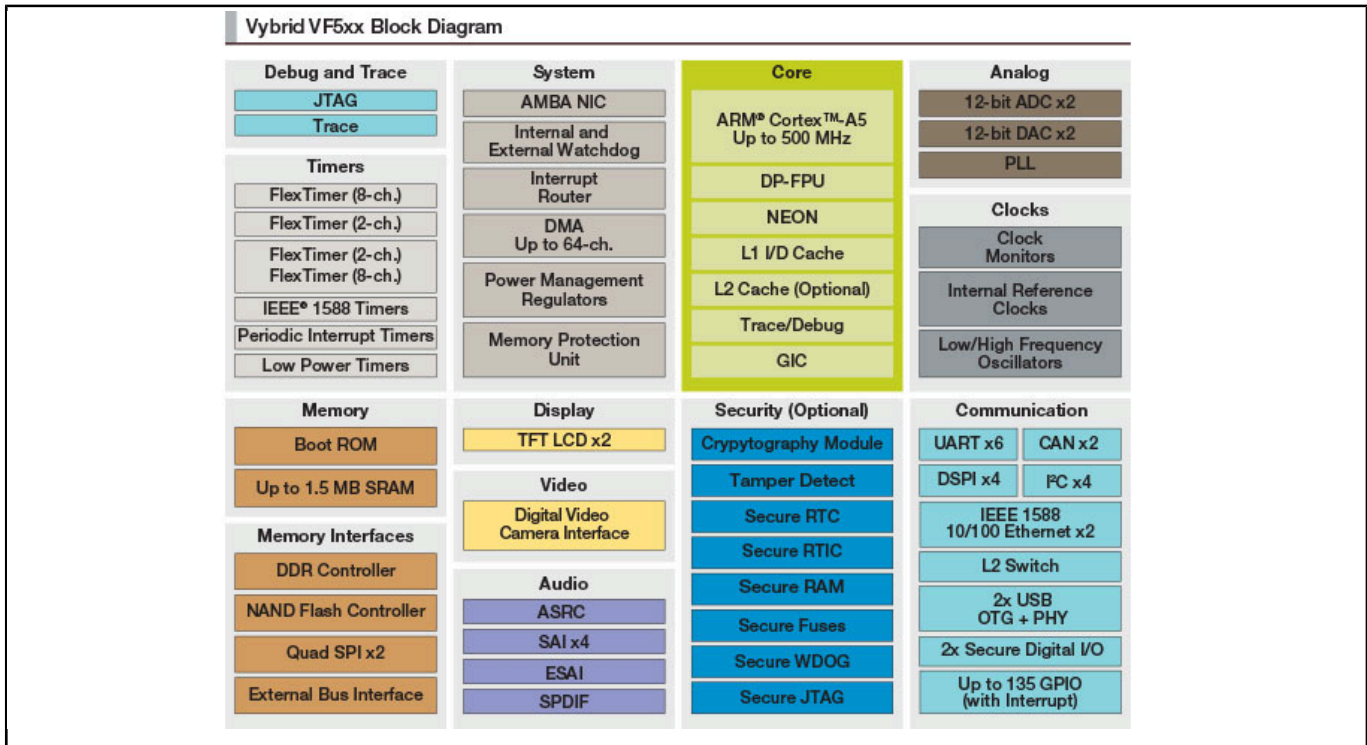
VF5xx

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The VFxxx VF5xx family is a single-core (Arm® Cortex®-A5) solution with 1.5 MB on-chip SRAM, DDR2/3 and dual Execute-in-Place (XIP) quad SPI memory interfaces, dual high-speed USB with PHY, dual Ethernet with an L2 switch, and a digital video camera interface. VF5xx devices are also software and pin compatible with the VF6xx VFxxx Controller family that also includes a second core (Cortex-M4 core) potentially eliminating the need for an external MCU or field programmable gate array (FPGA).

VFxxx devices are ideal for applications including simple HMI in appliances and industrial machines, secure control of infrastructure and manufacturing equipment, energy conversion applications such as motor drives and power inverters, ruggedized wired and wireless connectivity, and control of mobile battery-operated systems such as robots and industrial vehicles. VFxxx devices also provide a powerful combination of on-chip encryption, secure boot, anti-tamper and anti-clone capabilities to secure sensitive or critical infrastructure applications such as smart grid or industrial control.

VF5xx Block Diagram Block Diagram



View additional information for [Arm® Cortex®-A5-Based Microprocessors with 1.5MB SRAM, LCD, Security, 2x Ethernet and L2 Switch.](#)

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