Embedded World 2019: Variscite reveals an impressive portfolio of new i.MX based products

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Variscite reveals the portfolio of its new i.MX based products that will be presented next week at the Embedded World 2019 exhibition & conference. Variscite is the only NXP partner who was granted early access to all i.MX 8 programs and will present next week a respectable number of new System-on-Modules based on i.MX 8M Mini, i.MX 8QM and i.MX 8X as well as the i.MX 8M that was released in 2018.

Alongside the i.MX 8 platforms, the company will also showcase the VAR-SOM-6UL, its new member to the ?VAR-SOM pin2pin family? based on NXP i.MX 6UltraLite / 6ULL / 6ULZ processors.

All demos can be found on hall 4A / 4A-340 at the Embedded World exhibition.

The official launch of the DART-MX8M-MINI

The DART-MX8M-MINI System-on-Module (SoM) will be officially launched at the upcoming Embedded World exhibition. The DART-MX8M-MINI is a miniature SoM based on NXP's i.MX 8M Mini processor with up to 2GHz Quad-core ARM Cortex-A53 plus 400MHz Cortex-M4 real-time processor. The SoM offers integrated HW engines supporting 1080p video encode and decode, 2D and 3D graphics, HQ audio and a wide range of connectivity options such as Wi-Fi/BT, Ethernet, and USB.

The DART-MX8M-MINI joins Variscite’s ?DART Pin2Pin Family? and provides a pin2pin scalable option to Variscite’s DART-MX8M with lower power consumption and higher CPU performance. Later this year the company is expected to launch the DART-MX8M-NANO based on the upcoming NXP i.MX 8M Nano processor for further cost/performance scalability of the ?DART Pin2Pin Family?.

The VAR-SOM Pin2Pin Family

The company is expanding its ?VAR-SOM Pin2Pin product Family? with several new products which will be presented at the Embedded World exhibition: The VAR-SOM-MX8, VAR-SOM-MX8X and VAR-SOM-6UL. The Pin2Pin family offers Variscite’s customers a high level of scalability, extended lifetime availability and reduced development time, cost and risk.

Variscite’s new products highlights:
VAR-SOM-6UL
Availability: Evaluation kits and samples are available for order.
Based on NXP i.MX 6UltraLite / 6ULL / 6ULZ ARM Cortex-A7 processor with up to 900MHz CPU Clock. The SoM highly integrated connectivity includes a certified dual-band Wi-Fi 802.11ac/a/b/g/n, Bluetooth/BLE, dual Ethernet, dual USB, audio, camera in, 24bits Parallel LCD / 18bits LVDS display up to WXGA and serial interfaces.
DART-MX8M-MINI
Availability: Evaluation kits and samples are available for order.
Based on NXP i.MX 8M Mini processor with up to 2GHz Quad-core ARM Cortex-A53 plus 400MHz Cortex-M4 real-time processor. The SoM offers integrated HW engines supporting 1080p video encode and decode, 2D and 3D graphics, HQ audio and a wide range of connectivity options such as Wi-Fi/BT, Ethernet, and USB.

VAR-SOM-MX8X
Availability: Evaluation kits and samples are available for order.
Based on NXP i.MX 8QuadXPlus / 8DualXPlus / 8DualX processors with up to 4 1.2GHz Cortex-A35 cores. The SoM provides efficient power/performance architecture, built-in safety features and highly integrated multimedia support.

VAR-SOM-MX8
Availability: Early partner access for evaluation kits; Official launch is expected in Q2 2019.
Based on NXP i.MX 8QuadMax with Dual 1.8GHz ARM Cortex-A72, Quad 1.2GHz Cortex-A53 and 2x 266MHz real-time Cortex-M4F co-processor. The VAR-SOM-MX8 introduces advanced processing power, high-end graphics, UltraHD video capabilities and a variety of high-speed interfaces and connectivity options.

SPEAR-MX8
Availability: Early partner access for evaluation kits; Official launch is expected in Q2 2019.
Based on NXP i.MX 8QuadMax with Dual 1.8GHz ARM Cortex-A72, Quad 1.2GHz Cortex-A53 and 2x 266MHz Real-time Cortex-M4F co-processor. An ideal solution for embedded products requiring advanced performance processing, high-end graphics, UltraHD video capabilities and a variety of high-speed interfaces and connectivity options.

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