Press Release
armStone™A9r2

EMBEDDED

armStone™A9r2 – high-performance PicoITX module with Freescale i.MX 6 ARM® Cortex®-A9 processor

F&S Elektronik Systeme from Stuttgart/Germany extended its successful PicoITX Single Board Computer product family with another module.
armStone™A9r2 is based on the i.MX 6 applications processor by Freescale, which offers highest possible performance for sophisticated devices in the industrial and medical sector.
Available processor versions for this module are Solo, DualLite, Quad and QuadPlus.
The Freescale processors have a long-term availability of up to 15 years.
The board is an upgrade to armStone™A9, which is successful on the market since the beginning of 2014.
Compared to armStone™A9, armStone™A9r2 was enhanced with 32GB eMMC, Wifi (IEEE 802.11a/b/g/n dual band), Bluetooth (BT3.0) and MIPI-CSI camera interface.

Furthermore, armStone™A9r2 has up to 1GB SLC NAND Flash and up to 4GB DDR3L RAM.
It comes with the following interfaces: 1x SD-Card on-board, 1x 10/100/1000Mbit IEEE1588 Ethernet, 3x USB Host, 1x USB Device, 2x CAN, 5x Serial, 1x I^2C, 2x SPI, Audio (Line In/Out/Mic), 66 Digital I/O, 1x PCIe and 1x SATA.

2x 18/24bit LVDS enables display connection and screens can be connected via DVI. All of those interfaces are independent and can be controlled simultaneously with different content.
It is also possible to combine both LVDS interfaces in order to control a FullHD display.
Touch can be connected via a dedicated I^2C interface for 4/5-wire resistive Touch and PCAP-Touch can be connected as well; fitting touch drivers are available.
armStone™A9r2 gets supplied with 5V, the energy consumptions is about 2W typ (Solo CPU).

Windows Embedded Compact 2013, Windows Embedded Compact 7 and Linux Buildroot or Yocto were customized, so one can start with their development immediately.

The temperature range of 0°C - +70°C enables a wide application range; there is an additional version with -20°C - +85°C.

Possible applications are display, control and communication devices in the industrial and medical sector with a display from 3.5" up to FullHD.
Therefore the application field is versatile and thanks to the fine price-performance ratio, armStone™A9r2 can be used for quantities of more than 1.000 pieces per year.

F&S Elektronik Systeme offers comprehensive support: their forum is online 24/7 and their development engineers are at your side via phone or e-mail.

An armStone™A9r2 starter kit is available for a quick start of development (contains armStone™A9r2, cable kit and access data to documentation and software).
Optional workshops help the customer to start their development smoothly.

armStone™A9r2 can be purchased directly at F&S Elektronik Systeme or at one of their worldwide distributors.

Press Release

armStone™A9r2

Embedded World 2016, Hall 4A, Booth 511

Product Site:
https://www.fs-net.de/en/products/armstone/armstonea9r2-with-freescale-i-mx6/

Website:
www.fsembedded.com

F&S Elektronik Systeme GmbH
Dipl.-Ing. (FH) Karlheinz Kusch
Sales Manager
Untere Waldplätze 23
70 569 Stuttgart
kusch@fsembedded.com
Tel: +49 (0711) 123722-0
Fax: +49 (0711) 123722-99