

NXP i.MX 6SoloX Prozessor auf COM Formfaktor PicoCOM™ von F&S Elektronik Systeme

PicoCOM™A9X is the latest member of the F&S form factor PicoCOM™, which is successful since many years.

All members of the PicoCOM™ product family are pin compatible and have a robust 80-pole plug connector. At a size of 40x50mm only, PicoCOM™A9X can offer the performance of Cortex®-A9-1GHz at a low price.

The application field of PicoCOMA9X is very flexible.

The module will be available for 10+ years and is therefore a perfect partner for applications in medicine and industry.

The processor is a NXP i.MX 6SoloX (ARM® Cortex®-A9 and -M4).

SoloX is the second processor in NXP's portfolio which supports asymmetric multiprocessing. Both cores (ARM® Cortex®-A9 and -M4) are connected to the internal bus fabric and have the possibility to access all peripherals. The advantages of the M4 core are real-time processing and the interfaces are available immediately after power on.

Die PicoCOM™A9X offers up to 512MB DDR3 RAM, 1GB SLC NAND Flash and 32GB eMMC, as well as a SD-Card slot interface. Other interfaces are 2x IEEE 1588 Ethernet, 1x USB Host/1x Device, 2x CAN, I²C, SPI, 3x UART, Audio (Line In/Out) and Digital I/O.

A 16/18bit RGB interface is available for connecting displays; a resistive touch panel interface is available as well. A capacitive touch controller can be connected via the I²C interface.

The power supply is 3,3V, the power consumption is 2W typ.

Available operating systems for PicoCOM™A9X are Windows Embedded Compact 2013, Windows Embedded Compact 7 and Linux. For Linux development one can either use Buildroot or Yocto. The porting of these operating systems on PicoCOM™A9X has been completed by the software department of F&S Elektronik Systeme.

F&S Elektronik Systeme supports its customers with the F&S project guarantee: we are at your side from the project start until the successful completion of the project.

Starter kit, workshop, documents for hardware and software development and free support by our experienced engineers complete the comprehensive F&S support.

PicoCOM™A9X will be available until at least 2028.

PicoCOM™A9X can be purchased directly at F&S Elektronik Systeme or at one of their world-wide distributors.

Product site:

<https://www.fs-net.de/en/products/picocom/picocom9x-nxp-i-mx-6solox-processor/>

Website:

<https://www.fseembedded.com/>

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