

PCOMnetA5, Single Board Computer with Freescale Vybrid Controller

The new PCOMnetA5 by F&S Elektronik Systeme is a Single Board Computer consisting of a compact base board and the small and inexpensive F&S module PicoCOMA5 (version PCOMA5-V3-W13 or –LIN).

The SBC is based on the Freescale Vybrid controller.

Vybrid controller solutions combine ARM® Cortex®-A5 and –M4 in one chip and open up completely new application areas with their ability of asymmetric multiprocessing.

Multimedia functions like NEON and FPU are offered on PCOMnetA5.

Further highlights are the long-time availability of 10 years minimum and the extendable temperature range of -20°C - +85°C (option).

The base board has a size of 80x50mm only and has numerous interfaces:

SD-Card, 2x 10/100MB Ethernet with IEEE1588, WLAN (optional), 2x USB Host, USB Device, 2x CAN, UART (RS232 and RS485), I²C, SPI and 7x Digital I/O.

All 18Bit displays with resistive touch from EDT's Unified series (3.5" up to 7") can be connected.

Displays with PCAP touch can be connected via I²C, using an additional adapter.

PCOMnetA5 provides 128MB Flash and 256MB RAM.

The power supply is provided by single supply 5V.

Linux (Buildroot) and Windows Embedded Compact 2013 are available.

The software department of F&S Elektronik Systeme has already ported these operating systems on PCOMnetA5.

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.

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

Starterkits for Linux and Windows Embedded Compact 2013 are available for €199,- (plus VAT).

More PCOMnet modules with Freescale processors are planned.

PCOMnetA5 can be purchased directly at F&S Elektronik Systeme (www.fs-net.de) or at one of our Europe-wide distributors.

Product Page: <https://www.fs-net.de/de/produkte/picocom/pcomneta5-freescale-vybrid/>

Further Information: www.fs-net.de

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