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ARM9 based Single Board Computer!

200MHz with less than 1.5W power consumption

MPL introduces another low cost, low power, highly integrated and robust Versatile Computer Module in a small form factor (90 x 100mm). The new product is called VCMA9. The VCMA9 has as core component a 32-bit ARM920T RISC processor with integrated separate 16KB instruction and 16KB data cache, Memory Management Unit (to handle virtual memory management), LCD Controller (STN & TFT support), SDRAM Controller and a complete set of common system peripherals is used. Besides the features of the microprocessor the VCMA9 offers additionally Ethernet, CAN and DAC. Up to 128MB SDRAM and up to 128MB NAND-Flash can be soldered onboard. All above mentioned onboard peripheral interfaces as well as the signals of a 32-bit expansion bus, are available on headers and sockets. The VCMA9 is, as all other MPL products, available as option in extended temperature (-40° up to +85°C).



The VCMA9 is being delivered with a Bootloader. Further, a LINUX Kernel, developed by MPL, is available. Certainly can other OS like WinCE, EPOC 32 or a RTOS be used with the VCMA9 as well. The advantage to use Linux is next to the stability the fact of the cost and the in depth support MPL can offer.

Next to VCMA9 an adapter-kit for easy connection is available as well as "Design-in set" that includes everything a design engineer needs to start a project. (VCMA9, Linux Kernel, 220V power supply, external reset button, standard connectors for USB, serial lines, Ethernet, CAN and more also HW & SW support will be offered). Further can MPL provide if required further HW and SW engineering, designing add-on boards, writing customer specific SW...)

The advantages to use the VCMA9 are low cost and high versatility, reduction of the development cost, substantial reduction of the "time-to-market", allows you to concentrate on the product as it is easy to integrate the VCMA9 in your

application, availability of development and debugging tools and MPL's experience (since 1985) and know-how in microprocessor.

The VCMA9 can be used nearly in any application of the industry as the board is versatile, small, robust..... Ideally we see the VCMA9 as universal machine control, as portable instrument control or portable battery driven products to name just a few.

All products are designed and produced in Switzerland by MPL. MPL is independent a proven reliable partner for you today and tomorrow. MPL is ISO9001 certified since 1995.

For more information about the VCMA9 please contact us via Fax, email or consult our Home Page (www.mpl.ch)