

Press Release

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Embedded iPhone Gateway

With the DIL/NetPC DNP/9265 SSV announces a very small COM (Computer-On-Module), to provide various products with a visualization interface for smartphones. The DNP/9265 is an embeddable ARM9-module (Atmel AT91SAM9263) with 32 MB flash and RAM that uses the iPhone or other smartphones as display. If more memory is needed by an application, an SD card can be added to the module. To connect the module to its environment 3 UARTs, an I2C, an SPI, a CAN, a USB Host interface and several GPIOs are available. The smartphone access occurs over a 10/100 Mbps Ethernet port. The board runs embedded Linux with a lot of special extensions developed by SSV.

The smartphone app is developed as a web application using only established Web standards such as HTML, CSS, JavaScript and AJAX. The Apple iPhone SDK based on (proprietary) Objective-C is not needed. So the app can also work on smartphones running Android. In addition, installing the app on the phone does not involve Apple's App Store, because it simply uses the on-board Web server. This makes it much easier to use and no credit card information have to be disclosed.

For application developers an OEM integration kit including the DNP/9265 with lots of tools and documentation is available. This kit includes the DNP/9265 module – optional on a baseboard or DIN-rail housing. An example application that visualizes system resources and that lets you play with configuration data is already preloaded. The communication between the module and the phone takes place over a 2.4 GHz Wi-Fi connection. For an easy start, a WLAN access point is included in the kit.

Information

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