



nanocom FXM32-LP9

The embedded computer platform has been created for applications requiring a small form factor, lowest power consumption and low cost.

nanocom RISC is a module concept combining low power ARM controllers and small form factor. Ideally suited for embedded applications

Technical Data

Core

LPC3250 ARM926EJ-S @ 266Mhz

Memory

Up to 128 Mbytes DDR soldered

LAN Interface

Ethernet 10/100 base-T

Serial Interfaces

1 x USB OHCI & OTG

4 x UART + 3 x high-speed UART

2 x SPI o 2 x SSP (1 x SPI o 1 x SSP)

2 x I2C

2 x I2S (1 x I2S With TFT connexion)

1x Isolated RS 485

Graphics Interfaces

LCD up to 1024x768

Memory Card Interfaces

SDIO micro-SD slot

NAND Flash

Up to 1G byte

Miscellaneous

GPIO's 12 GPI + 24 GPO + 51 GPIO

ADC 3 multiplexed pins to 10 bits @400kHz

ADC

PWM 2 single-output + 1 motor control

Cell RTC back-up

WIFI Module (optional)

Software

Support for Linux. Kernel 2.6.39

Debian Distribution (ARMEL arch)

Power Supply

Power supply voltage

+5V DC

Battery

+3V (single lithium cell)

Environment

Operating temperature -40 + 85°C

Operating relative humidity 5% - 95% (non-condensing)

Mechanical

Size 405mm x 55mm