



FIRST INTERNATIONAL COMPUTER

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# HARDWARE SPECIFICATIONS FOR NEO 1973 GTA01BV4

# Physical Dimensions

- 120.7 x 62 x 18.5 mm (4.75 x 2.44 x 0.728 inch)
- 184 +/- 5 g (6.5 ounces)

## Main components

### Processor

Samsung S3C2410AL-26 (Capable of running up to 266 MHz)

### Flash

64MB Samsung NAND flash (K9F1208U0B) attached to S3C2410 NAND controller.

### RAM

128MB SDRAM (2x Samsung K4M511633C) attached to S3C2410 SDRAM controller

### GSM/GPRS

The [GSM](#) (including GPRS) modem is Texas Instruments Calypso based.

### CALYPSO digital baseband

### TWL3014 analog baseband

### TRF6151 RF Transceiver

Quad-band support (850/900/1800/1900)

GPRS Class12/CS4

### [AGPS](#)

Hammerhead PMB 2520 AGPS from Global Locate.

- Externally-accessible GPS antenna connector of type MMCX

## **microSD-Card**

The Neol973 has one microSD aka. Transflash slot. It should support SDHC, but this has not been tested. If this works, cards >2G should work with no problems. As there are no microSD cards over 2G at the moment, it hasn't been tested. MicroSD slot is [under battery](#).

## **LCD Module (LCM)**

This is a 2.8" diagonal (1.7" x 2.27" - 43mm x 58mm) 480x640 toppoly (tpo) TD028TTEC1 module, using a Toshiba JBT6K74 TFT LCD Driver Chipset.

## **Touch Screen**

## **Stylus**

## **Bluetooth**

Delta DFBM-CS320 Class2 Module, using CSR BlueCore4

## **Vibrator**

## **USB Host**

## **USB Device**

The USB Device controller is inside the S3C2410

## **Audio**

## **Wolfson Codec**

There's a WM8753 Wolfson Microelectronics CODEC (This is not a 'smart' codec that can interpret MP3/... it is a simple dumb 'sound card'.

## Stereo Amplifier

There's a National Semiconductor [LM4857](#) Stereo Amplifier at the analog audio output of the WM8753

## Analog wired Headset

There's a four-ring 2.5mm stereo jack which provides connectivity to old-fashioned wired headsets.

The headsets used by Motorola smartphones (A780,A1200, ...) and the V-360 have a compatible configuration.

## Bluetooth Headset

This one is wired via PCM bus from the CSR Bluetooth chip to the Wolfson codec.

## Power Management

A Philips PCF50606 is used for [power management](#).

## Battery

The [Neol973 Battery](#) is compatible with a Nokia BL5C battery.

## Buttons

The Neol973 features two buttons:

1. [The Power Button](#)
2. [The "Aux" button](#)

## Approval

- [CE](#)
- [FCC](#)

