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 Neo1973 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 topoly (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 Neo1973 Battery is compatible with a Nokia BL5C battery.

Buttons

The Neo1973 features two buttons:

1. The Power Button
2. The "Aux" button

Approval

- CE
- FCC