AccessionIndex: TCD-SCSS-T. 20250701.003
Accession Date: 1-Jul-2025
Accession By: Dr.Avril Coghlan
Object name: Orange SPV Classic mobile phone
Vintage: 2002
Synopsis: First mobile phone to be based on Windows Smartphone 2002 software.
Tri-band 2G GSM mobile phone. S/N: HT246CK09339.

Description:
This is a good example of the first commercially available mobile phone based on
Microsoft's *Windows Smartphone 2002* software, the *Orange SPV Classic* (otherwise
known as the or *HTC PC20A*, *HTC Canary* or *Dopod 515*), introduced in October
2002 and made by HTC for the mobile phone operator Orange [1][2]. Unfortunately
the SPV was locked to Orange's mobile network.

The SPV Classic had a Texas Instruments 32-bit single-core OMAP710 CPU (16kB
instruction cache, 8kB data cache) running at 132MHz, with 16MB SDRAM and
32MB of Flash ROM, plus a mini-SIM and SD card, a 56mm 176x220 reflective TN-
TFT colour display (64k colours, 128ppi), 18-key numeric keyboard, 115kbps IrDA,
2.5mm audio and proprietary USB 1.1 socket, 1000mAh Li-Ion battery (12 hour
uptime), but no camera or Bluetooth. SPV stood for "Sound, Pictures, Video" with the
emphasis being on the device's multimedia capabilities. It was quite compact (115 x
46 x 22 mm), and light (127g).

The *Windows Smartphone 2002*, code named *Stinger*, the successor to *Pocket PC200
(PC20)*, was a mobile phone operating system developed by Microsoft based on
Windows CE that stressed mobile phone attributes, in contrast to the previous PDA
orientations trying to be a mobile phone. It included cut-down versions of desktop
applications like Outlook, Media Player and Internet Explorer as well as calendar,
task and contact management, focused on business users. However, it could run some
games, e.g. *Doom*.

The SPV was launched at a lavish event hosted at the Old Billingsgate Market in
London next to the River Thames, with a gigantic SPV device on a barge, and a loss-
leading campaign to sell them for £179 with a £6.50/month 12-month Orange voice,
text and 96 kbps GPRS data contract. In April 2003 Forbes reported that the joint
Microsoft/Orange marketing campaign had resulted in ~50k being sold in the UK.

Various succeeding Orange SPV models were produced until 2007, when the first
Apple iPhone was released, introducing the modern era of touch-screen smartphones.

Many thanks to Avril Coghlan for donating this item.

The homepage for this catalog is at: https://www.scss.tcd.ie/SCSSTreasuresCatalog/
Click *'Accession Index'* (1st column listed) for related folder, or *'About'* for further guidance.
Some of the items below may be more properly part of other categories of this catalog,
but are listed here for convenience.

Accession Index	Object with Identification
TCD-SCSS-T.20250701.003	Orange SPV Classic mobile phone. First mobile phone to be based on Windows Smartphone 2002 software. Tri-band 2G GSM mobile phone. S/N: HT246CK09339, 2002.
TCD-SCSS-T.20250620.001	Nokia 101 analog mobile phone. Analog (1G) mobile phone, S/N: 11/37/00/03675.
TCD-SCSS-V.20250620.001	Nokia 1011 User Manual. Nokia, manual for 1011 single-band 2G GSM mobile phone, 1992.
TCD-SCSS-T.20150608.002	Nokia 8210 Mobile Phone. Red ladies dual-band 2G GSM mobile phone that began Nokia's rise to dominance of the early post millenium mobile market, 1999.
TCD-SCSS-V.20220825.007	Nokia 8210 User's Guide. Nokia, manual for 8210 dual-band 2G GSM mobile phone. c.2000
TCD-SCSS-T.20150608.001	Motorola V3690 Mobile Phone. Clamshell dual-band 2G GSM mobile phone, one of very few early mobiles allowing firmware updates, c.2000.
TCD-SCSS-V.20220825.006	Motorola V3690 User Manual. Motorola, manual for V3690 clamshell dual-band 2G GSM mobile phone. c.2000.
TCD-SCSS-T.20150810.002	Motorola V66i Mobile Phone. Motorola clamshell tri-band 2G GSM mobile phone. c.2002.
TCD-SCSS-T.20220825.008	Samsung SGH-ZV10 mobile phone. Late model clamshell tri-band 3G GSM mobile phone. S/N: R9TYA47381E. 2005.
TCD-SCSS-T.20250701.001	Apple first-generation iPhone smartphone. Touch-screen quad-band 2G GSM mobile phone based on iPhone OS software, considered by some to be the world's first smartphone. S/N: 7R7351QPWH8, 2007.
TCD-SCSS-T.20250701.002	T-mobile G1 smartphone. First smartphone based on Android software. Touch-screen quad-band 3G GSM mobile phone. S/N: xxxxxxx, 2008.
TCD-SCSS-T.20220825.007	Samsung H1 GT-i8320 smartphone. Early touch-screen quad-band 3G GSM mobile smartphone based on Linux LiMo software. S/N: R3XSB53869M. 2009.
TCD-SCSS-T.20220825.006	Samsung Galaxy S4 Zoom smartphone/camera. Superb combination of 10X optical SLR camera and Android multi-band 4G GSM mobile smartphone, model SM-C101. S/N: CN1D701B1PW. 2013.

References:

1. Wikipedia, *Orange SPV*, see:
   https://en.wikipedia.org/wiki/Orange_SPV
   Last browsed to on 1-Jul-2025.

2. Guy Kewney, *Orange SPV Review*, ZDNet, 30th October, 2002, archived 6th September, 2022, see:
   https://web.archive.org/web/20220906021727/https://www.zdnet.com/product/orange-spv/
   Also: https://www.scss.tcd.ie/SCSSTreasuresCatalog/hardware/TCD-SCSS-T.20250620.003/Orange-SPV-Review-ZdNet-GuyKewney-30Oct2002.pdf
   Last browsed to on 1-Jul-2025.

Specifications

Manufacturer: HTC

Distributor: Orange, China Mobile

Availability: Europe, China

Design type: Candybar

Released: November 2002

Operating System: Smartphone 2002

Memory: Ti OMAP 710 132 MHz

Additional Memory: SD & MMC cards

Screen Resolution: 176x220 64k colors

Bands: Tri-band GSM 900,1800,1900

Data: GPRS, WAP

Messaging: SMS, Email

Camera: Plug in adapter

IRDA: Yes

Bluetooth: No

WiFi: No

Java: No

Dimensions: 115 millimetres (4.5 in) x 46 millimetres (1.8 in) x 22 millimetres (0.87 in)

Weight: 127 grams (4.5 oz)

Battery: Li-Ion 1000 mAh

Talk time: 3-5 Hours

Standby: 70-100 Hours

Ringtone: WAV, MIDI

Media Sounds: WMA, MP3

Media video: WMV

Speakers: One

Figure 1: Orange SPV Classic specifications

Figure 2: Orange SPV Classic, front and rear views

Figure 3: Orange SPV Classic manufacturing labels
Mobile: "PC20A, 5V@1A, CE0682, FCC ID: NM8CANARY, Assembled in Taiwan,
IMEI:350399010194126, S/N: HT246CK09339, P/N: 99HM0000-00   A05"
Battery: "PC26A, S/N: 5BJA02BC000946, P/N: 35H00007-00, 3.7V 1000mAh"