

N&W

GLOBAL VENDING



UNI EN ISO 9000:2000 ISO 14001

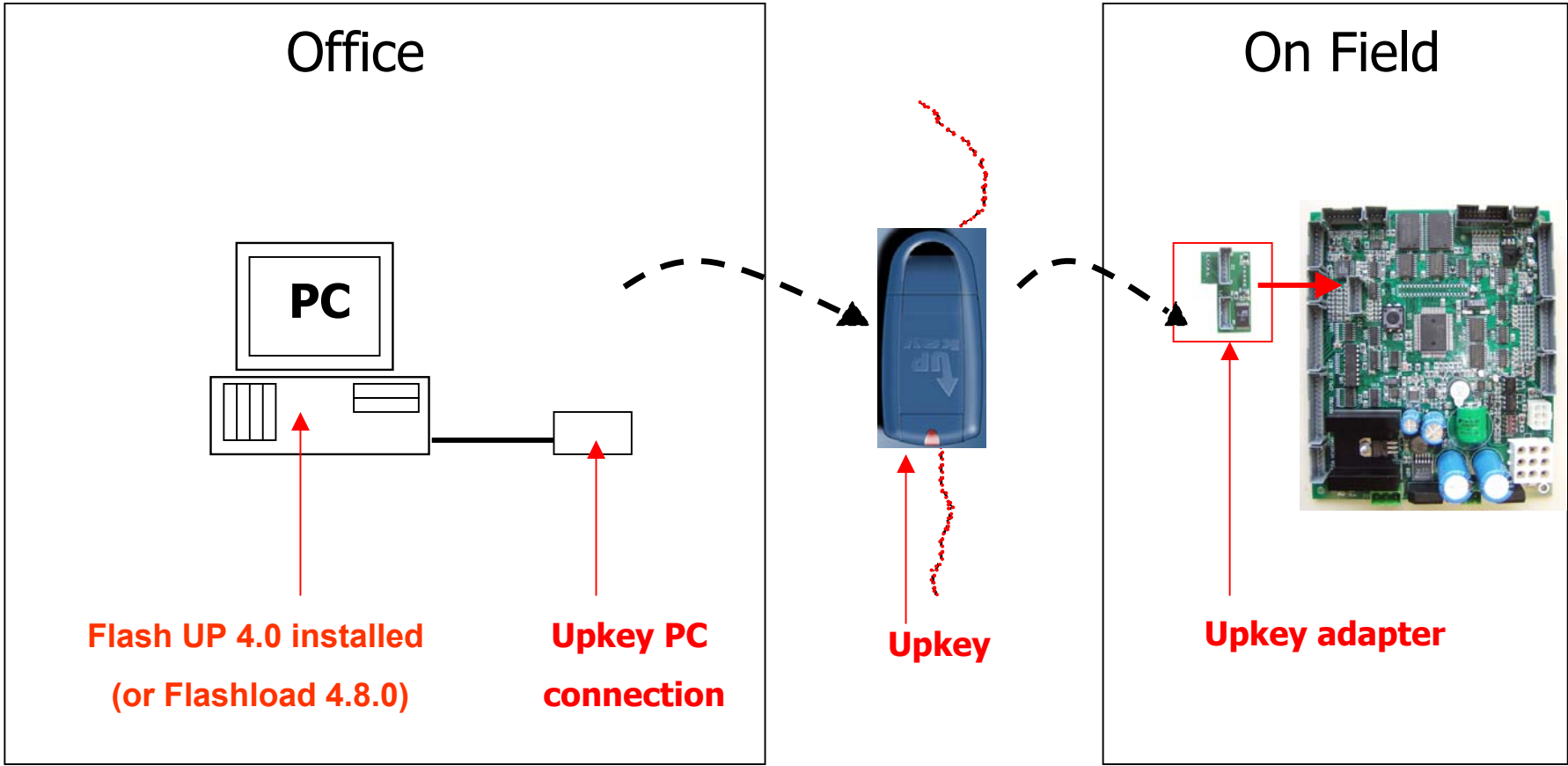
Introducing FLASH 4.0 and Upkey

FLASH UP

- Special key for easy updating the Vending Machine SW
- Operator friendly: no need of PC knowledge
- Quick update: < 1 min Snakky CPU
< 2 min 20 secs Astro CPU + actuation board
- Cost effective solution (if compared to laptop or palmtop)
- Machines compatible:
 - Kikko
 - Astro/Oblò
 - Snakky/Snakky SL
 - Sfera/Rondò
 - 7600/7100



UPKEY: General architecture



Procedure

1. To install Flash UP 4.0 or Flashload 4.8.0 on the PC



Items

Flash UP 4.0 959872

2. To link the Upkey PC connection Kit to the PC

Kit PC connection 958954



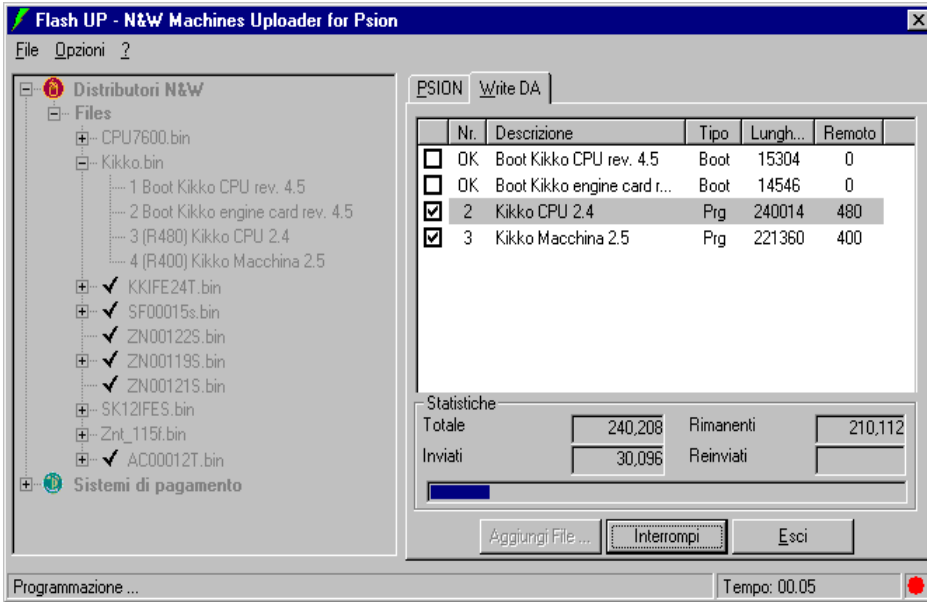
- Pc connection
- Parallel cable
- Power supply

3. To insert the Upkey into PC connection and download the SW file (see next slide)

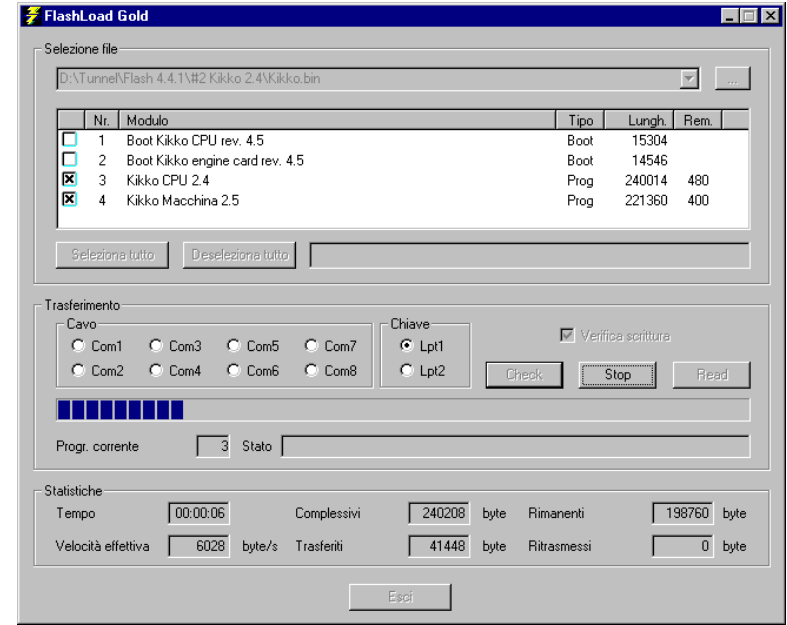
Upkey 958952



UPKEY: Procedure and items



FLASH UP 4.0



FLASH LOAD 4.8.0

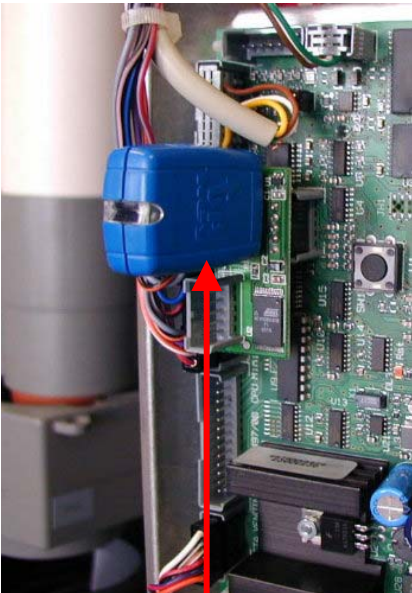
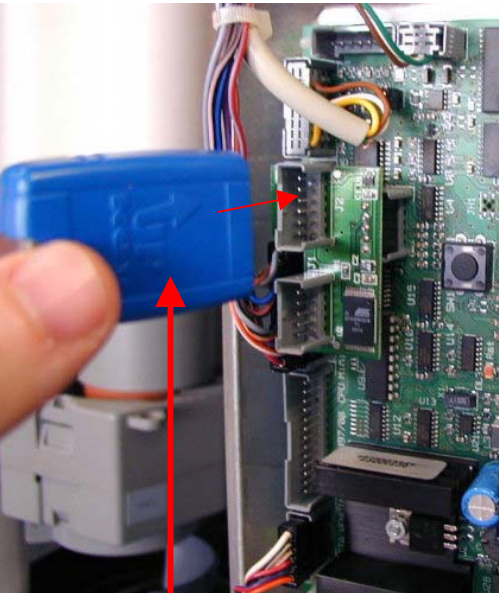
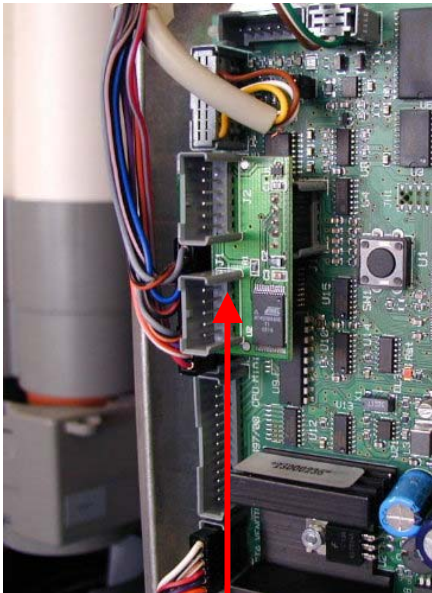
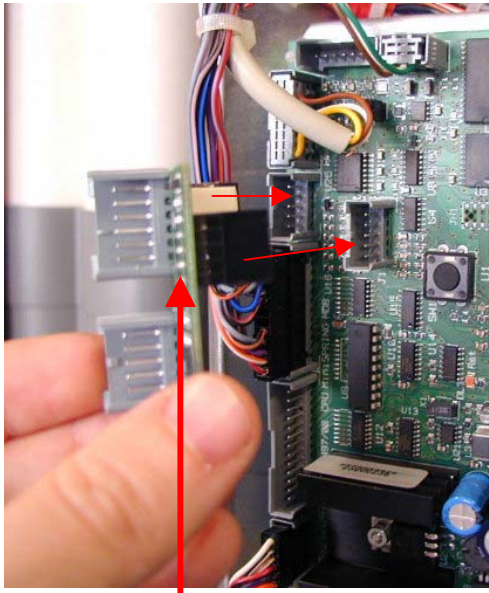


UPKEY PC CONNECTION

UPKEY: Procedure and items

4. To insert the Upkey in the machine:

NECTA MACHINES: Once Upkey is loaded with the SW files technicians can insert Upkey into the machine CPU using the Upkey adaptor



Upkey adaptor
958953

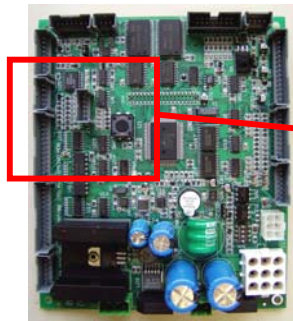
Upkey adaptor
inserted

Upkey
958952

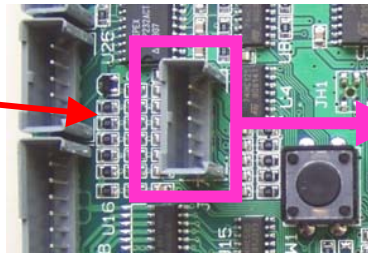
Upkey inserted

UPKEY: Procedure and items

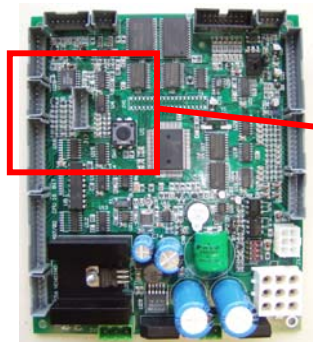
- The Upkey adaptor is necessary for the current in production Necta machines. This is just a temporary solution for using the Upkey in the machines already installed in the field
- The CPU will be modified starting by Q1 2004 so this adapter no longer be necessary anymore: the UpKey will be directly inserted in a CPU connector (6pin)



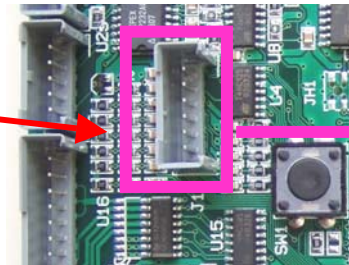
Current



5 pins connector not enough for direct connection of the Upkey: the adaptor is needed



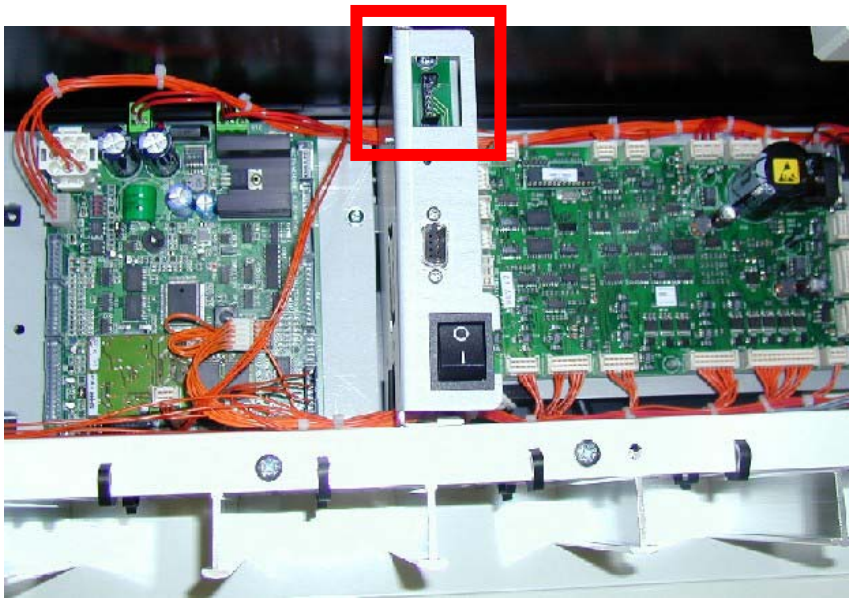
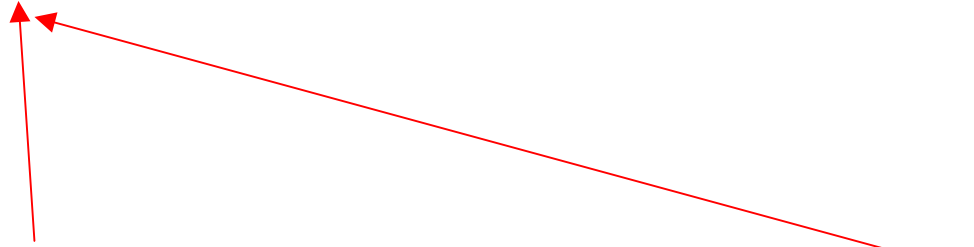
New



6 pins connector: direct Upkey connection (no adaptor is needed)

UPKEY: Procedure and items

- **WITTENBORG MACHINES 7600 & 7100:** an external connector (6pin) will be available for direct connection



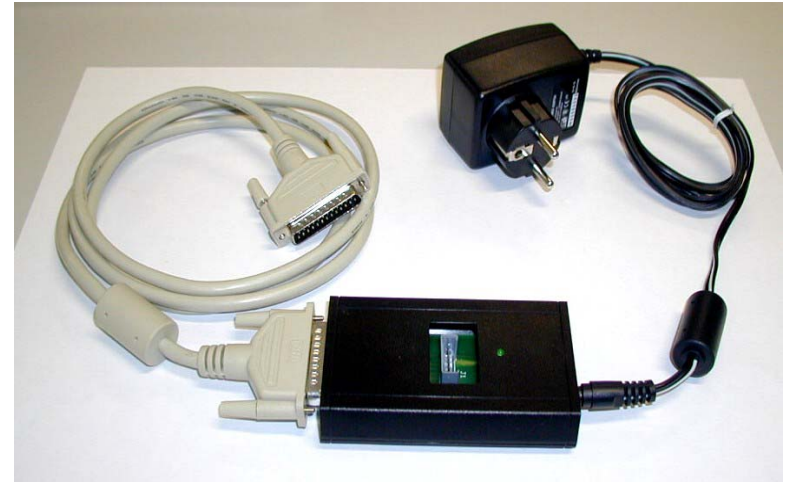
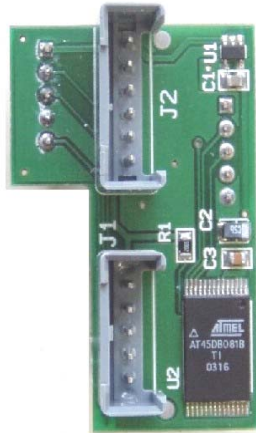
7600



7100

UPKEY: Procedure and items

● In order to make easier the use of the system the STARTER KIT 958955 including the main parts is available:



958952

+

958953

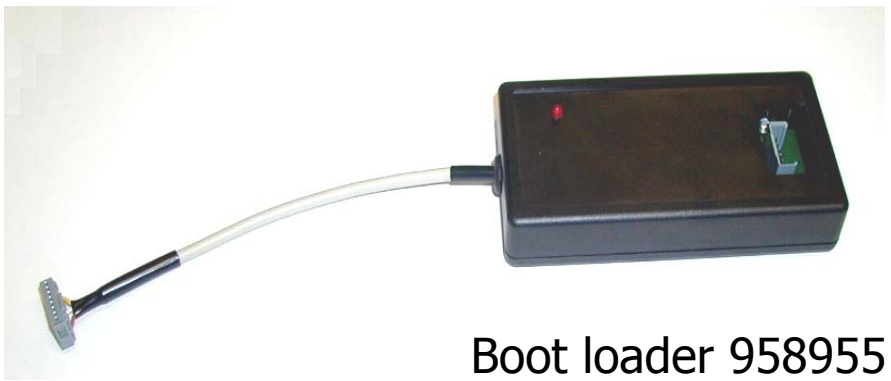
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958954

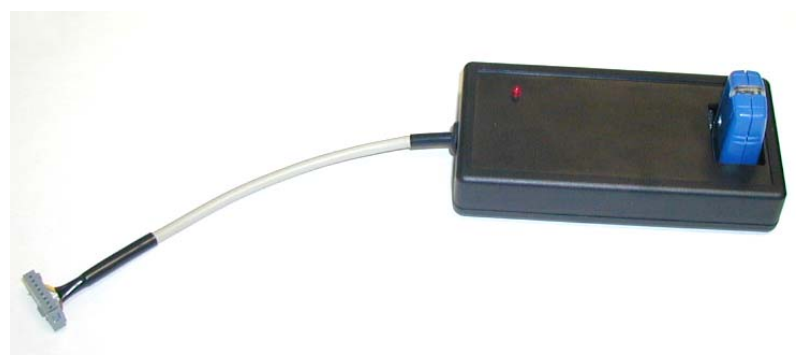
958955

UPKEY: SW compatibility

- SW compatibility: the latest SW revisions of the machines realized starting from October 2003 are all compatible with the use of the Upkey (see following slide)
- Previous SW revisions are not directly compatible (see following slide) because the boot not foresee this application and the Upkey can not update it.
- In this case possibility to use Upkey with a specific tool “boot loader” or...
- ... PC or Psion as usual



Boot loader 958955



UPKEY: SW compatibility

	Firmware Version	
	From	To
ASTRO / OBLO'	0.5	1.1
	1.2	subsequent
KIKKO	2	2.4
	2.5	subsequent
SFERA/ RONDO'	0	1.1
	1.2	subsequent
SNAKKY	0	1.5
	1.6	subsequent
SNAKKY SL	0	1.1
	1.2	subsequent

In blu Sw revision not directly compatible : boot loader or PC, or Psion is needed.

In green SW revision compatible with Up-Key

● Further possible application in progress:

1. Setup functions by Q1 2004

- read original setup → download new SW → rewrite setup)
- cloning: read a setup and write in other machines

2. Data retrieval by Q2 2004

GENERAL INFORMATION

The 4.0 Version of FLASH requires:

- Operating System Microsoft **Windows 98, Windows NT 4.0** (with SP6 or higher), **Windows 2000** (better with SP1 or higher), **Windows XP** (better with SP1 or higher)
- Processor: movies are correctly visualized with Pentium Class (better Pentium III or higher) 500MHz processor speed
- With pentium II no movies are allowed (they are automatically disabled). Anyway the system is correctly working with 3D images.
- 64MB RAM memory required (advised 128 MB or higher)
- Space required on HD: 200 MB
- At least one serial port and one parallel port available

SW COMPATIBILITY FLASH 4.0

Functions of Flash, Flash UP and Upkey 16 BIT MACHINES

Model	Flash 4.0	Flash UP 4.0 PC, Psion	Upkey	
			Direct connection	With Bootloader
ASTRO / OBLO'	1.1 - 1.3	All	1.2 - subsequent	All
ASTRO P	0.2 - 0.3	All	0.3 - subsequent	All
KIKKO	2.2 - 2.5	All	2.5 - subsequent	All
ZENITH	1.09 - 1.21	All	NO	NO
SFERA / RONDO'	1.0 - 1.2	All	1.2 - subsequent	All
SNAKKY	1.3 - 1.7*	All	1.6 - subsequent	All
SNAKKY SL	1.0 - 1.2	All	1.2 - subsequent	All
STARFOOD	1.0 -1.5	All	NO	NO
7600 / 7100	See note **	From SW rev. 4	From SW rev. 4	All

* Only the 1.6 is not compatible with flash 4.0

** Specific tool Configurator is under test

CODES AVAILABLE

Product	CODE
FLASH	959847
FLASH PLUS	959848
FLASH UP	959872
LABELAB	S70839
Other accessories	
Cable Psion-Compas	959849 + 959814
Cable Psion-Coinco	959849
Cable Psion-NRI	958837
Cable Psion-NRI (SETUP)	959874
Cable Psion-MARS	958838
Updating CD ROM	959850
SSD for Psion (1MB)	959851
SSD RAM memory	959852
Hardware key	959853
PC station	959854
Psion workobut	959873
Upkey	
Upkey	958952
Upkey adaptor	958953
Upkey PC port	958954
Upkey boot loader	958955
Upkey starter kit	958956

Already existing with Flash 3.03

New codes with Flash 4.0

KITS GSM	CODE
KIT GSM ZENITH / STARFOOD	957715
KIT GSM KIKKO / SNAKKY / ASTRO / SFERA / OBLO' / RONDO'	960476
KIT BANK ZENITH & STARFOOD	957716
KIT BANK ZETA & SPRING	957717
KIT BANK KIKKO & SNAKKY / ASTRO & SFERA / OBLO' & RONDO'	963113
KIT BANK KIKKO & SNAKKY & SNAKKY SL / KIKKO & SNAKKY SL & SNAKKY SL	963114
KIT BANK SNAKKY & SNAKKY SL	963115
KITS LABELAB*	
LABELLAB KIT 40 SHEETS VENEZIA	955432
LABELLAB KIT 40 SHEETSBRIO 250	955771
LABELLAB KIT 100 SHEETS SPAZIO P	956548
LABELLAB KIT 100 SHEETS SPAZIO E VENEZIA LX	956549
LABELLAB KIT 180 SHEETS ZENITH	957714
LABELLAB KIT 80 SHEETS COLIBRI'	957934
LABELLAB KIT 40 SHEETS DUAL	956123
LABELLAB KIT 60 SHEETS SMART	955568
LABELLAB KIT 60 SHEETS STARFOOD	964162
LABELLAB KIT 60 SHEETS ZETA	956945
LABELLAB KIT 60 SHEETS VM 130	956946
KIT LABELAB DA 40 SHEETS PICCOLO MATTINO AND GRAN MATTINO	954841
LABELLAB KIT 160 SHEETSI MARINER	955300
LABELLAB KIT 60 SHEETS 5100 - 5300	955301
LABELLAB KIT 100 SHEETS 2800	955302

- Availability for sales
 - Flash 4.0 December 2003
 - Up key December 2003

- Procedure for update Flash in the market: to be ordered necessary quantities of the Updating CD Rom 4.0 code 959850 (suggested net price 300 € in order cover development cost)