

High performance download solution for Flash memory

ACKSYS, French designer and manufacturer of telecommunications products for advanced industrial applications, introduces a new range download solutions for appliances equipped with a large amount of FLASH memory (GSM/GPRS/UMTS mobiles phones, PDA, games consoles, pagers, Internet terminals, in-car multimedia apps, GPS, engine controllers, digital camera, TPE).

The downloading and personalization phases currently represent a major bottleneck in the manufacture of appliances equipped with FLASH memory. In the case of mobile phones, a FLASH memory of 100 Mb will be needed by 2004 to hold all the 3G/UMTS functionalities.

Our solutions are already capable of downloading 16 Mb in little over a minute, compared with 15 minutes for systems operating at a speed of 120 Kbps.

These solutions are built around intelligent boards for PCI based computers and make it possible to manage personalized download applications.



Each board is thus transformed into an autonomous downloading server station.

Communication speeds can be adjusted very precisely to suit the sometimes highly specific requirements of given appliances.

The appliances to be downloaded can be connected directly via low power TTL 0-3V, 0-5V or via RS232 & RS422 interfaces.

These cards are equipped with 16 Mo of RAM for download application of and with 200 Mo of additional storage area to store the data to be downloaded.

Each board features 8 serial communication links including 6 high-bandwidth 1,8 Mbps links. It is possible to install as many boards in a given machine as there are free PCI slots, without any impact on the Windows NT & 2000 host system & application.