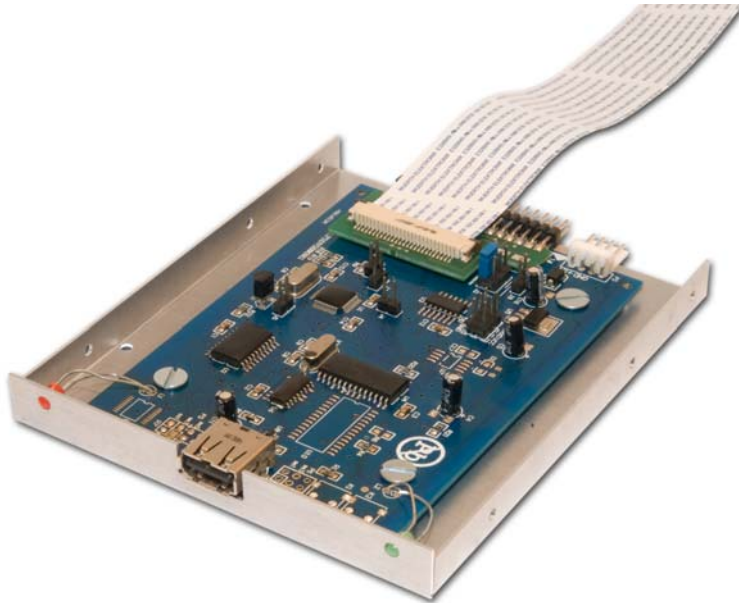# Floppy-Emulator SlimLine
SlimLine floppy disk drive replacement

Replace disk drive with a USB Stick!

Swap your slimline floppy drive for the ipcas Floppy-Emulator SlimLine!

The slimline version is especially developed and designed for machines and system which are equipped with a flat slimline floppy drive that connects via a 26-pin flat ribbon cable.

Many machines and devices are still using floppy disk drives. Especially for measurement (eg. oscilloscopes), but also musical instruments or embroidery machines have often as the only means of data input an old floppy disk drive.
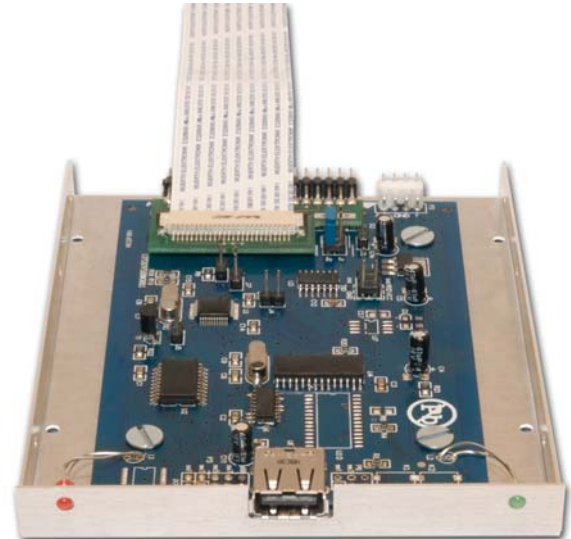
Floppy disks are vulnerable to mechanical attrition and environmental influences. The storage medium of this floppy emulator is a considerably less sensitive USB pen drive.

Good news:

You won't ever need floppies anymore and yet you'll be able to secure a guaranteed long-term future for your machines and systems.
Almost all laptops and PC's are now already shipped without a floppy drive.

Disadvantages of legacy diskettes:
- Hardly available at retailers anymore
- Sensitive to
  - Magnetic fields
  - Dust, oil and other adverse environmental conditions
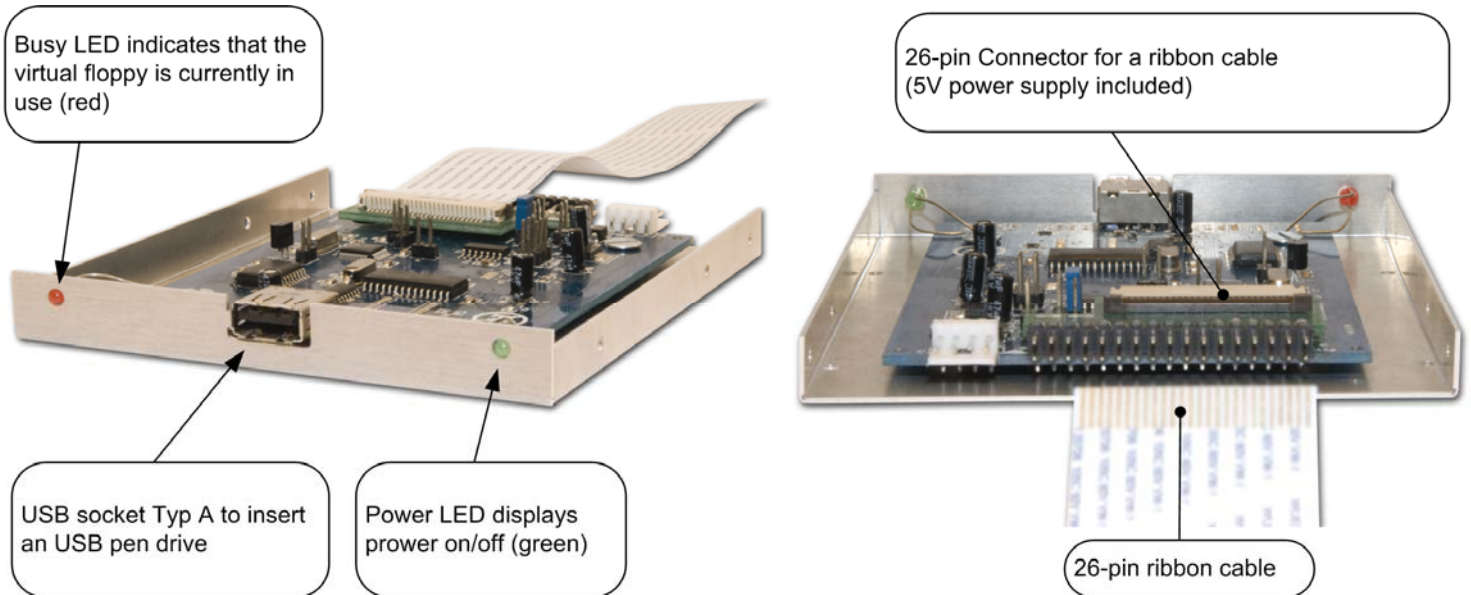 - Mechanical wear and tear

Most salient features:

- The old slimline floppy disk drive is replaced 1:1. The connections are identical (26 pin flat ribbon cable), so no further changes have to be made.
- The USB pen drive at the Floppy Emulator replaces the old diskette entirely. USB memory components have long life spans.
- The new USB floppy drives and USB memory components are practically immune to impacts from magnetic fields, dust or shock.

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The USB Floppy Emulator SlimLine is suitable for all devices that currently use a SlimLine floppy disk drive.
There is no additional software needed. Only the USB pen drive must be formatted once using the supplied floppy emulator tool.

Busy LED indicates that the virtual floppy is currently in use (red)

26-pin Connector for a ribbon cable (5V power supply included)

USB socket Typ A to insert an USB pen drive

Power LED displays prower on/off (green)

26-pin ribbon cable

Specifications

Floppy Emulator SlimLine	Built -in version
Interfaces	➢ 1 x USB socket Type A ➢ 1 x 26-pin floppy controller connection for a flat ribbon cable
Compatibility	➢ FAT12 File System Interpretation ➢ Fixed Sector Size: 512 Byte / Sector ➢ 3,5" – 1,44MB: 80 Tracks / 18 Sectors ➢ 5,25" – 1,2MB 80 Tracks / 15 Sectors ➢ 3,5" – 720kB: 80 Tracks / 9 Sectors
Diagnostics LEDs	Power, Busy
Display	2-digit, 7-segment display to show current virtual floppy and diagnostics
Voltage supply	5 V DC (voltage range 4.5 – 5.5 V DC) via 26 pin flat ribbon cable
Casing	aluminum housing
Frame size:	3.5 inches (slimline)
Measurements W/H/D	approx. 96mm / 13mm / 123mm
Temperature range	0° to 65° C
Relative humidity	5 % to 90 %, non-condensing
Scope of supply	USB Floppy Emulator SlimLine USB-Stick Floppy Manager Tool User Guide on USB-Stick
Purchase order number	0202042-4

[1] Other voltages upon request