

# Adtron Flashpak® I25F IDE Flash Disk Installation Manual

## Introduction

Congratulations on your purchase of the Adtron I25F Flashpak® flash disk! The I25F supports flash storage in an industry standard 2.5" form factor and is a drop-in replacement for standard rotating hard disk drives.

Adtron offers the I25F Flashpak flash disk in RoHS and non-RoHS compliant versions. To verify which version you are employing, please check the label on the I25F.

Visit [www.adtron.com/products](http://www.adtron.com/products) to view the complete line of Adtron SATA, SCSI and IDE flash disk drives.

<b>Indicators</b>	D1: Orange/Green LED. Green indicates power has been applied and the drive is in an idle state. Orange indicates that the drive is accessed by the host.
<b>Interface</b>	Standard 44-pin IDE interface. See the I25F Product Specification for complete IDE interface details.
<b>Size</b>	69.9mm [2.75"] W x 101.6mm [4.00"] D x 9.3mm [.368"] H
<b>Weight</b>	53.9g [2.0oz] (approximate, based on capacity)
<b>Power</b>	5V +/- 5% @ 0.5A (max)

Table 1 Specifications

## ESD Caution



Static electricity may be discharged through the I25F. In extreme cases this may temporarily interrupt the operation or damage components. Touch a grounded device, such as a computer case, prior to handling the I25F.

## Before installing the I25F hardware

1. Turn off the computer in which you are installing the I25F.
2. Make sure that you are properly grounded.
3. Set the master/slave jumper. See instructions below.

## Set the master/slave

The master/slave jumper is located on the IDE header of the I25F. Figure 1 shows the front view of the I25F's 44-pin connector and the location of the jumpers. Refer to Table 2 for IDE jumper signals. Figure 2 shows the valid jumper configurations for master, slave, and cable select. Grayed pins indicate jumpers on.

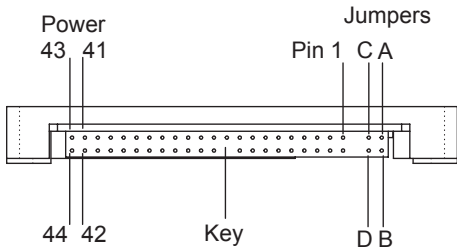


Figure 1 Jumper Location

Pin	Signal
A	GND
B	HY_CSEL_OUT
C	NC
D	H_CSEL_IN

Table 2 Signals

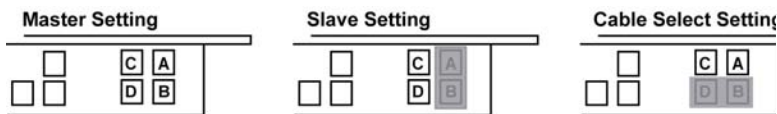


Figure 2 Jumper Descriptions

## Install the I25F into a drive bay

The I25F mounts into a standard 2.5" hard disk drive application and may be mounted from the side or the bottom. **DO NOT** exceed the maximum insertion depth of 3mm [0.118"] from drive edge. Consider the length of screw used and thickness of the mounting surface. A common screw length of 4mm is provided but may not be correct in all applications. Refer to Figure 3 for mounting hole locations.

## Connect the cable to the I25F

Using a 44-pin cable, connect the I25F to the IDE controller. The 44-pin cable provides +5V power through pins 41 and 42 in Figure 1. Pin 43 is ground and pin 44 is not connected. The I25F does not require 12V.

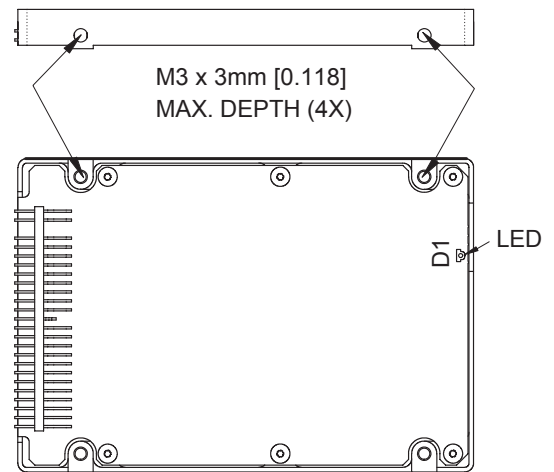


Figure 3 Mounting Holes

## Install an operating system

The I25F can be formatted like any standard hard disk drive – bootable for operating system function or not bootable. Any standard disk partitioning and formatting utility can be used. You can install any operating system you choose that is compatible with IDE devices. The method of installing a specific operating system can vary, so consult the operating system or IDE controller documentation for instructions.

## Troubleshooting

The I25F is simple to install and operate. Table 3 lists some common problems and possible solutions. For more information, visit the Adtron web site at [www.adtron.com/support](http://www.adtron.com/support), send email to [techsupport@adtron.com](mailto:techsupport@adtron.com), or contact technical support at 602-735-0300 in the U.S. or at +45-4557-0754 in Europe.

Problem	Possible Solution
The I25F is not recognized by the computer.	Check system BIOS for correct settings to IDE devices. Change any IDE settings not enabled. Check manufacturer's manual for information on BIOS settings. Make sure the IDE cables are seated and functional. Make sure that pin 1 on the I25F is connected correctly to the IDE cable.
The computer recognizes one drive, but not the other.	One drive must be master and the other one slave. Check the master/slave jumper settings on both drives.

**Table 3 Troubleshooting**

## Warranty

Adtron warrants this product to be free from defects in materials and workmanship for the duration of the warranty period. If this product fails within the warranty period due to such a defect, Adtron will repair or replace this product.

This warranty does not apply if this product has been damaged by abuse, accident, disaster, misuse or incorrect installation. There are no user-serviceable components within the I25F.

## Notice

This manual describes the features of Adtron's I25F. Adtron reserves the right to modify, amend, or in any way change the contents and/or products described herein, at any time, without notification.

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