User's Guide

For

AA, AP, MP,

PP, COMP, EZ

&

KF, SKG

Series of

IDE Mobile Racks

★ The only Cool Thermal Solution
★ Easy Installation
★ Protection for High-Quality
   Data Storage & Transmission
★ Warranty Provided

Quality   Speed   Flexibility   Value

Installation Guide
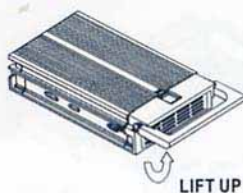
for **AA, KF21/22/23** and **SKG-2000** Models

Fg.1 Take out the Inner Tray.
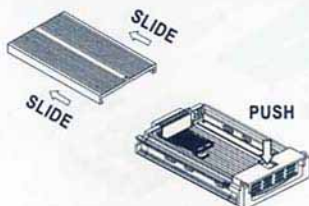Lift up the handle 90 degrees. The inner tray will come out automatically.

Fg.2 Take off the Top Cover.
Push the Top Cover Hook with a little force & slide the Top Cover to the rear of the Inner Tray to open it.
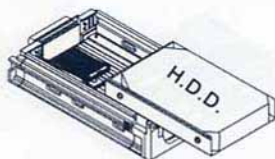
Fg.3 Connect the Cable & Code.
Connect the Data Cable & Power Code of the Inner Tray to the H.D.D. (Please connect them correctly to avoid electrical damage.)
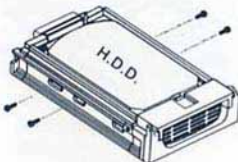
Fg.4 Screw the H.D.D. on.
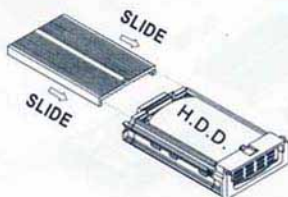Put the H.D.D. in the Inner Tray and screw it on tightly.

Fg.5 Close the Top Cover.
Slide the Top Cover along the Cover-Rails to the front end of the Inner Tray. Then push down the Top Cover Hook lightly to close the Top Cover.
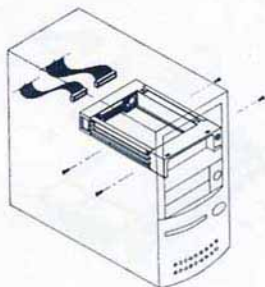
Fg.6 Screw the Outer Frame on.
Put the Outer Frame in the 5.25" drive bay of the PC case and connect the Data Cable & Power Code to the Outer Frame. Then, screw the Outer Frame to the PC case. (Please connect them correctly to avoid electrical damage.)
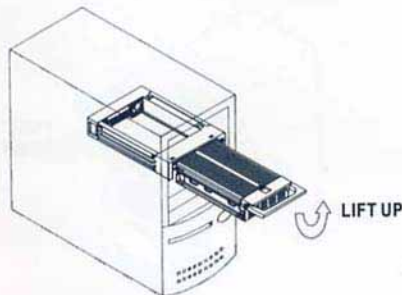
Fg.7 Plug in the Inner Tray.
Lift up the Handle 90 degrees and push the inner tray into the installed Outer Frame until it stops.
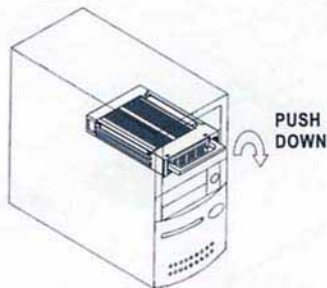
Fg.8 Lock the Inner Tray.
Push the Handle down with little force, and the Inner Tray will be automatically plugged into the correct position. Insert the enclosed key into the lock hole, push and turn it right to lock the Inner Tray. Then, you will have completed the installation.
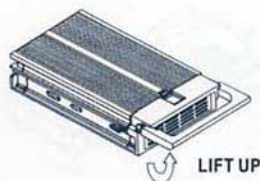
Installation Guide for AA and AP Models

Fg.1 Take out the Inner Tray.
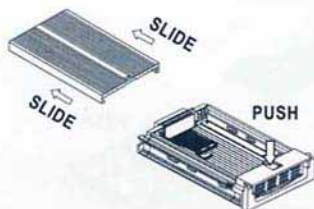Lift up the handle 90 degrees. The inner tray will come out automatically.

Fg.2 Take off the Top Cover.
Push the Top Cover Hook with a little force & slide the Top Cover to the rear of the Inner Tray to open it.
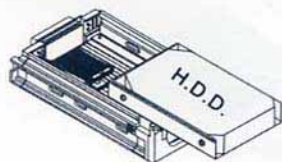
Fg.3 Connect the Cable & Code.
Connect the Data Cable & Power Code of the Inner Tray to the H.D.D. (Please connect them correctly to avoid electrical damage.)
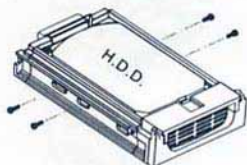
Fg.4 Screw the H.D.D. on.
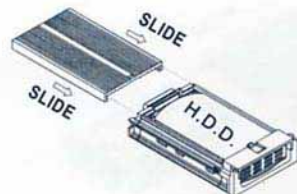Put the H.D.D. in the Inner Tray and screw it on tightly.

Fg.5 Close the Top Cover.
Slide the Top Cover along the Cover-Rails to the front end of the Inner Tray. Then push down the Top Cover Hook lightly to close the Top Cover.
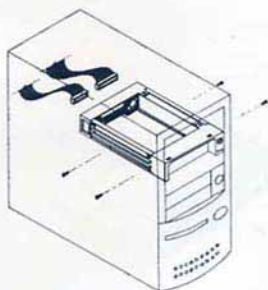
Fg.6 Screw the Outer Frame on.
Put the Outer Frame in the 5.25" drive bay of the PC case and connect the Data Cable & Power Code to the Outer Frame. Then, screw the Outer Frame to the PC case. (Please connect them correctly to avoid electrical damage.)

Fg.7 Plug in the Inner Tray.
Lift up the Handle 90 degrees and push the inner tray into the installed Outer Frame until it stops.

Fg.8 Lock the Inner Tray.
Push the Handle down with little force, and the Inner Tray will be automatically plugged into the correct position. Insert the enclosed key into the lock hole, push and turn it right to lock the Inner Tray. Then, you will have completed the installation.

Installation Guide
for **MP, PP, EZ, KF10/20** and **SKG-1000** Models
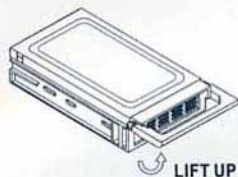
Fg.1 Take out the Inner Tray.

Lift up the handle 90 degrees. The inner tray will come out automatically.

Fg.2 Take off the Top Cover.

Push the Top Cover with force to the rear of the Inner Tray to open it.

Fg.3 Connect the Cable & Code.

Connect the Data Cable & Power Code of the Inner Tray to the H.D.D. (Please connect them correctly to avoid electrical damage.)

Fg.4 Screw the H.D.D. on.

Put the H.D.D. in the Inner Tray and screw it on tightly.(For CE certified MP & EZ models, please meanwhile build on the Grounding Springs to complete the ESD grounding function.)

Fg.5 Close the Top Cover.

Slide the Top Cover along the Cover-Rails to the front end of the Inner Tray. Then you will hear a crisp clicking sound indicating that you have closed the Top Cover.

Fg.6 Screw the Outer Frame on.

Put the Outer Frame in the 5.25" drive bay of the PC case and connect the Data Cable & Power Code to the Outer Frame. Then, screw the Outer Frame to the PC case. (Please connect them correctly to avoid electrical damage.)
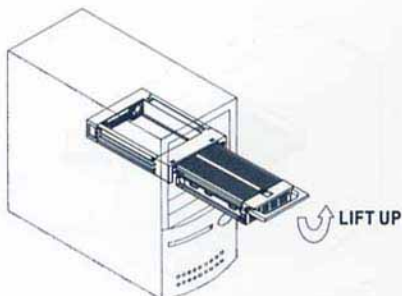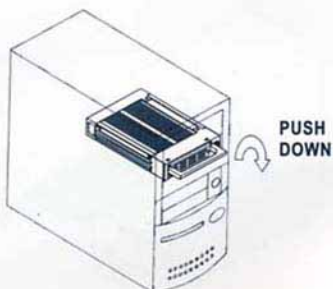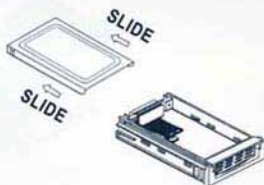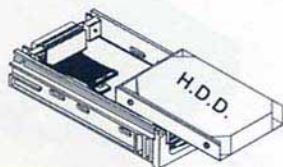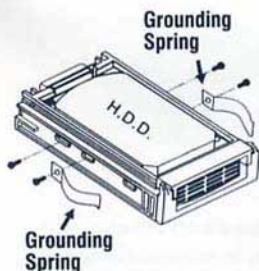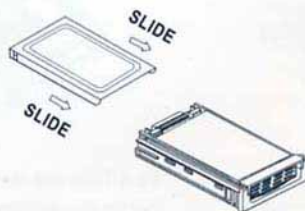
Fg.7 Plug in the Inner Tray.

Lift up the Handle 90 degrees and push the inner tray into the installed Outer Frame until it stops.

Fg.8 Lock the Inner Tray.

Push the Handle down with little force, and the Inner Tray will be automatically plugged into the correct position. Insert the enclosed key into the lock hole, push and turn it right to lock the Inner Tray. Then, you will have completed the installation. (There is no key lock for the EZ model, so the last step does not apply in that case.)

Multiple Applications: Guide to install MO, ZIP, LS-120, TR-4 Tape Drive, Flash Card Reader, etc. (for AA & AP Models)

Fg.1 Take out the Inner Tray.

Lift up the handle 90 degrees. The inner tray will come out automatically.

Fg.2 Take off the Top Cover.

Push the Top Cover Hook with a little force & slide the Top Cover to the rear of the Inner Tray to open it.
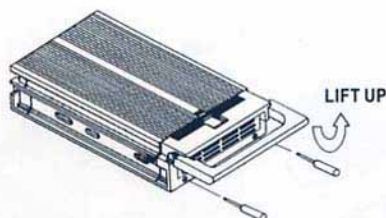
Fg.3 Take out the Screws.

Lift up the Handle 90 Degrees. Use a screwdriver to take out the two screws that fasten the Fan(s).

Fg.4 Take out the Fan(s).

Pull the fan wire lightly away from the power extension. Then take out the fan(s).
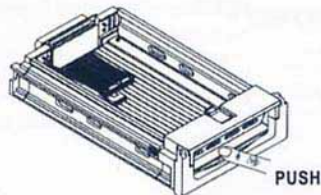
Fg.5 Take off the Front Panel.

To take off the front panel of the Inner Tray, push it forward and it will fall out of the frame. Then, take it out.

Fg.6 Connect the Cable & Code.

Connect the Data Cable & Power Code of the Inner Tray to the device. (Please connect them correctly to avoid electrical damage.)

Fg.7 Screw the Storage Device on.

Put the device in the Inner Tray and screw it on firmly with M6x6 or M3x5 screws.

Fg.8 Close the Top Cover.

Slide the Top Cover along the Cover-Rails to the front end of the Inner Tray. Then push down the Top Cover Hook lightly to close the Top Cover. Now, you have completed the installation.
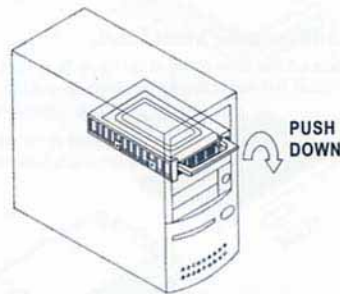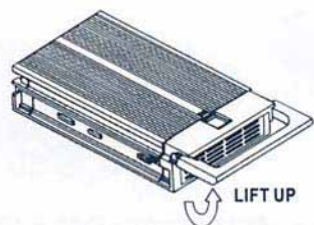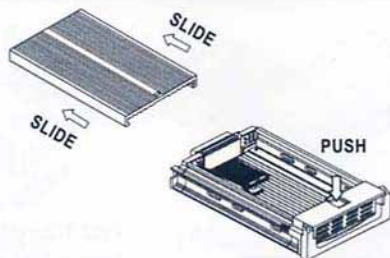
LIFT UP

Fg.1 Take out the Inner Tray.

Lift up the handle 90 degrees. The inner tray will come out automatically.

SLIDE
SLIDE

Fg.2 Take off the Top Cover.

Push the Top Cover with force to the rear of the Inner Tray to open it.

TAKE OUT

Fg.3 Take out the Fan(s).

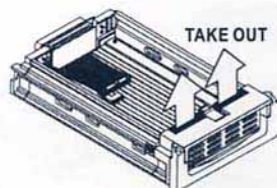Pull the fan wire lightly away from the power extension. Then take out the fan(s). (Note that this step applies to the EZ model only.)

CUT

Fg.4 Take off the Front Panel.

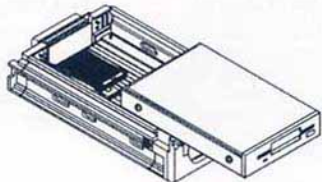Cut off the front panel of the Inner Tray with a knife and take it out.

Fg.5 Connect the Cable & Code.

Connect the Data Cable & Power Code of the Inner Tray to the device. (Please connect them correctly to avoid electrical damage.)
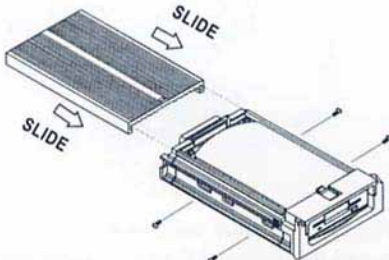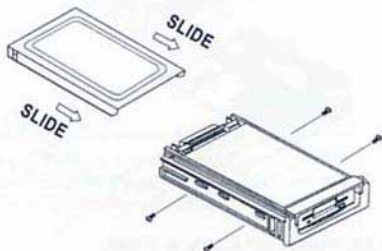

SLIDE
SLIDE

Fg.6 Screw the Storage Device on.

Put the device in the Inner Tray and screw it on firmly with M6x6 or M3x5 screws.
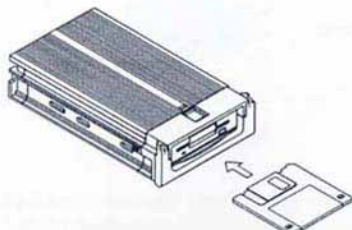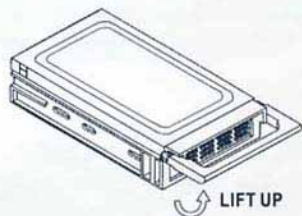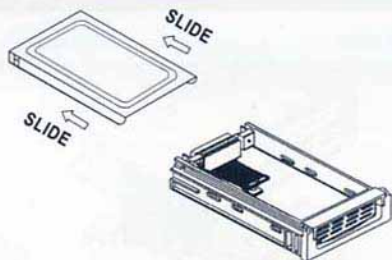

Fg.7 Close the Top Cover.

Slide the Top Cover along the Cover-Rails to the front end of the Inner Tray. Then you will hear a crisp clicking sound indicating that you have closed the Top Cover. Now, you have completed the installation.

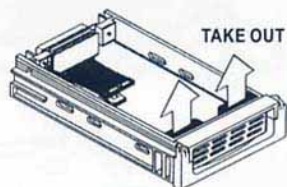# Multiple Applications: Guide to install MO, ZIP, LS-120, TR-4 Tape Drive, Flash Card Reader, etc. (for MP, COMP & EZ Models)

LIFT UP

Fg.1 Take out the Inner Tray.

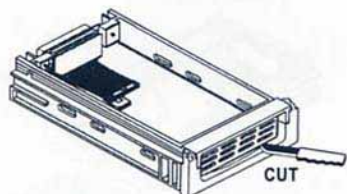Lift up the handle 90 degrees. The Inner Tray will come out automatically.
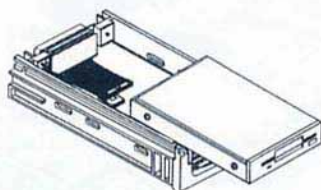
TAKE OUT

Fg.3 Take out the Fan(s).

Pull the fan wire lightly away from the power extension. Then take out the fan(s). (Note that this step applies to the EZ model only.)

Fg.5 Connect the Cable & Code.

Connect the Data Cable & Power Code of the Inner Tray to the device. (Please connect them correctly to avoid electrical damage.)

Fg.7 Close the Top Cover.

Slide the Top Cover along the Cover-Rails to the front end of the Inner Tray. Then you will hear a crisp clicking sound indicating that you have closed the Top Cover. Now, you have completed the installation.

SLIDE

SLIDE

Fg.2 Take off the Top Cover.

Push the Top Cover with force to the rear of the Inner Tray to open it.

CUT

Fg.4 Take off the Front Panel.

Cut off the front panel of the Inner Tray with a knife and take it out.

SLIDE

SLIDE

Grounding Spring

Grounding Spring

Fg.6 Screw the Storage Device on.
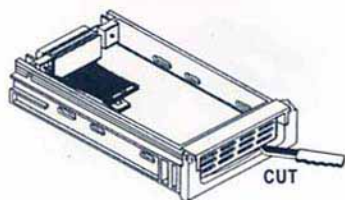
Put the device in the Inner Tray and screw it on firmly with M6x6 or M3x5 screws.(For CE certified models, please meanwhile build on the Grounding Springs to complete the ESD grounding function.)
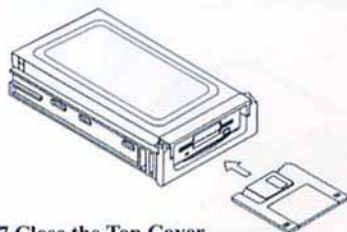
Recommended Method of Fan-Cleaning

Do not use flammable solution or water to clean a fan, as either will cause rusting on metal parts and electronic components, and will wash out the lubricants that the fan will require for normal operating.
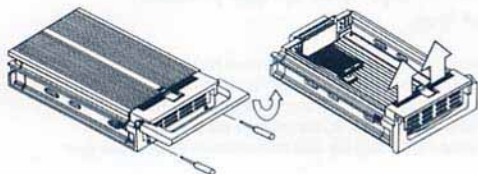
(For AA & AP models)   (For EZ models)
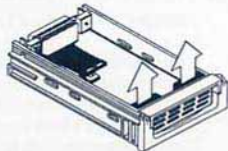
Fg.1 Take out the Fan(s).
Pull out the fan from the power extension. Please follow the method as described on page 4 or page 5
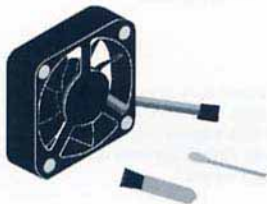
Fg.2 Clean the Fan(s).
Use a cotton stick to clean the dust on the fan blades. Then, use a small brush to clean the whole fan thoroughly.
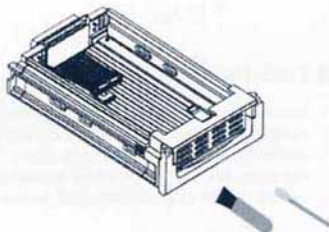
Fg.3 Clean the Inner Tray.
Use a cotton stick and a brush to clean both sides of the front panel of the inner tray. Then, use a dry cloth or tissue to clean the interior of the inner tray.
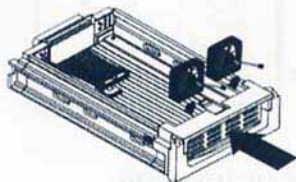
Fg.4 Install the Cleaned Fan(s).
Connect the fan to the power extension and install the fan. Please note that only when the fan draws air in from outside, will the fan be correctly installed. Otherwise, you must reverse the direction of the wrongly installed fan to avoid a great loss in thermal efficiency.

Three Rules to follow to keep high-quality data transmission

Rule 1. Always keep the connectors of the inner tray closely in contact with those of the outer frame.

■ **The handle of the inner tray should be kept in an upright position relative to the top face of the inner tray.**

Before starting your PC, make sure that the outward face of the handle is even with the front face of the outer frame. When this is done, the inner tray has been closely set in the outer frame. In case the handle is somehow not aligned with the front face (that is, not in a completely upright position), push it forward with a little force until it is completely aligned (that is, the angle is set at zero degrees). Then the inner tray will have been set in the outer frame, and the data-transmission quality will thus be assured.

Even   **Uneven**
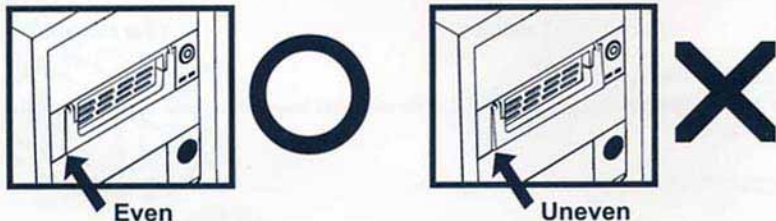
■ **Lock the security lock**

Before using any mobile rack except the EZ model, remember to insert the key enclosed in the accessory bag into the security lock, and press lightly and turn it right. The inner tray will then be locked in and can't be drawn out. (Note: if you are using a model with a power lock, you must complete this step to turn on the storage device inside the inner tray. Unless you have done this, the storage device won't operate at all because there won't be any power supply.)

Rule 2. Electrical shutdown is prohibited.

When the storage device is at work, i.e., when it is reading or writing data, inappropriate shutdown of your PC or pull-out of the inner tray is prohibited. Otherwise, the storage device as well as the data in it may be damaged.

While your PC system is ON, do not try to pull out your mobile rack.

Rule 3. Keep your storage device working in a cool environment.

Over time, dust will accumulate on the fan blades causing the fan to malfunction. The fan may even stop running completely.

It is therefore recommended that you clean the fan(s), front panel, and interior of the inner tray every 2-4 months, depending on where you live. Cleaning the fan(s) regularly so it (they) can run normally will help maintain the maximum thermal efficiency that the design of our mobile racks affords, and will consequently lengthen the useful lives of the storage device and the fan itself.

Notation in the Model Code

N X Y Z

Model Name	Meaning
N=AA	Al. Tray / Al. Frame
N=AP	Al. Tray / Plastic Frame
N=MP	Plastic Tray / Plastic Frame
N=PP	Plastic Tray / Plastic Frame
N=COMP	Plastic Tray / Plastic Frame
N=EZ	Plastic Tray / Plastic Frame

No. of fans	
Z=3	Triple fans
Z=2	Dual fans
Z=1	Single fan
Z=0	Zero fan

Speed	
X=1	Supports ATA100/66/33 speeds
X=∅	Supports ATA66/33 speeds

Type of Security Lock	
Y=3	Power lock (+5V & +12V Power Protection)
Y=2	Cam lock
Y=1	W/out lock

The Family of our IDE Mobile Rack

— Complete line of 33 products for office and home needs

Product Group	Spec. Variations								Security Lock
	ATA 100				ATA 66 / 33				
	0 fan	1 fan	2 fan	3 fan	0 fan	1 fan	2 fan	3 fan	
AA-series	*	AA131	AA132	AA133	*	*	*	*	Power Lock
AP-series	*	AP131	AP132	AP133	*	*	*	*	Power Lock
MP-series	MP130	MP131	*	*	MP30	MP31	*	*	Power Lock
	MP120	MP121	*	*	MP20	MP21	*	*	Cam Lock
PP-series	PP130	PP131	*	*	PP30	PP31	*	*	Power Lock
	PP120	PP121	*	*	PP20	PP21	*	*	Cam Lock
COMP-series	COMP130	COMP131	*	*	COMP30	COMP31	*	*	Power Lock
	COMP120	COMP121	*	*	COMP20	COMP21	*	*	Cam Lock
EZ-series	*	*	*	*	EZ10	EZ11	EZ12	EZ13	*

Designation of fan spec.	
Subscript	Type of Fan
-2b	two-ball-bearing fan
-1b	single-ball-bearing fan
-S	sleeve-bearing fan

Color of Plastic Material	
Standard Color	Black, White
Custom Color	Per customer's spec.

KF-series

KF10	for ATA 66/33 IDE H.D.D. only, Power lock, +5V & +12V power protection, Single fan
KF20	for ATA 100/66/33 IDE H.D.D. only, Power lock, +5V & +12V power protection, Single fan
KF11	for ATA 100/66/33 IDE devices, Power lock, +5V & +12V power protection, Single fan
KF12	for ATA 100/66/33 IDE devices, Power lock, +5V & +12V power protection, Dual fans
KF13	for ATA 100/66/33 IDE devices, Power lock, +5V & +12V power protection, Triple fans
KF21	for ATA 100/66/33 IDE devices, Power lock, +5V & +12V power protection, Single fan
KF22	for ATA 100/66/33 IDE devices, Power lock, +5V & +12V power protection, Dual fans
KF23	for ATA 100/66/33 IDE devices, Power lock, +5V & +12V power protection, Triple fans

SKG-series

SKG-1000	for ATA 100/66/33 IDE H.D.D. only, Power lock, +5V & +12V power protection, Single fan
SKG-2000	for ATA 100/66/33 IDE devices, Power lock, +5V & +12V power protection, Single fan

Quality   Speed   Flexibility   Value