

UF2PSATA22 USB & FireWire to PATA/SATA Bridge Board

The UF2PSATA22 is a high performance combo bridge solution for connecting USB 2.0 and 1394 to ATA/ATAPI or SATA data storage devices, e.g. hard disk drives, CD-ROM, CD-R, CD-RW and DVD.

The USB interface of UF2PSATA22 supports USB 1.1 or USB 2.0 specifications to allow connections to host computer via USB port at maximum data transfer rate 480 Mbps.

The 1394 interface of the UF2PSATA22 is in compliant with IEEE Std 1394-1995 and IEEE P1394a specification supporting data transfer rate 100, 200 and 400 Mbps, and built-in SBP2 (Serial Bus Protocol 2) hardware engine to enhance sustained data transfer rate up to 40 MBytes/sec.

UF2PSATA22 provides a switch which allow user to set the function for Read-only (Write Protect) or Read/Write.

UF2PSATA22 could be installed into the 3.5" Floppy Disk Drive bay of the computer case.

You also can use it as an external bridge solution.



Features

- Provides hot-swap function to select active device USB or 1394
- Provides auto-detect function to select active device between USB and 1394
- IEEE 1394-1995 and IEEE P1394a Compliant
- Universal Serial Bus Specification 1.1 and 2.0 Compliant
- USB Mass Storage Class Bulk-Only Transport Specification Compliant.
No driver installation needed in Windows ME or above, Mac OS 9.x or above, and Linux (kernel 2.4.18 or above).
Windows 98 requires additional driver installation provided by Prolific.
- AT Attachment with Packet Interface Extension (ATA/ATAPI-7) Compliant
 - ◆ ATA interface support PIO mode 0~4
 - ◆ Multiword DMA mode 0~2
 - ◆ Ultra-DMA mode 0~4
- Built-in hardware automated SBP2 protocol engine for 1394 connection which includes:
 - ◆ Management ORB fetch engine
 - ◆ Command ORB fetch engine
 - ◆ Page table fetch engine
 - ◆ Response packet generate engine
- FireWire and i.LINK 1394 Compliant Logo (TA ID #200404004)
- USB-IF Hi-Speed Logo Certified (TID No. 40002614)

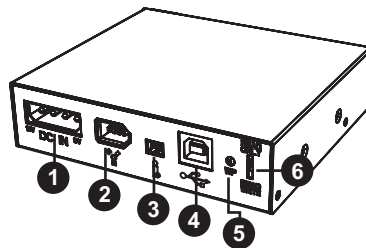
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Specification

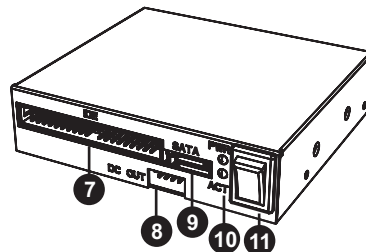
Front I/O	<ul style="list-style-type: none"> One USB B-Type Connector One FireWire(IEEE 1394a) 6pin Connector One iLink(IEEE 1394a) 4pin Connector One Big 4-pin IDE Power Connector Write Protect Function Switch <ul style="list-style-type: none"> Read-only (Write Protect) or Read/Write. LED <ul style="list-style-type: none"> Write Protect LED (Red Color)
Rear I/O	<ul style="list-style-type: none"> One IDC 2X20 Male Connector One SATA Signal Latch Type (7pin) Connector One Mini 4-pin FDD like Power Connector LEDs <ul style="list-style-type: none"> Power LED (Red Color) Activity LED (Green Color)
1394 Bus Transfer Rate	100/200/400 Mbps
USB Bus Transfer Rate	High Speed (480 Mbit) and Full Speed (12 Mbit)
SATA Transfer Rate	SATA (1.5 Gbit/sec)
ATA/ATAPI-7 Compliant	<ul style="list-style-type: none"> ATA interface support PIO mode 0~4 Multword DMA mode 0~2 Ultra-DMA mode 0~4
Power	<ul style="list-style-type: none"> DC input <ul style="list-style-type: none"> Big 4-pin(+12V, GND, GND, +5V) IDE Power Connector DC Output <ul style="list-style-type: none"> Mini 4-pin (+12V, GND, GND, +5V) FDD like Power Connector
Dimension	100.8mm (W) x90 mm (L) x 25.4mm (H)
Form Factor	3.5" FDD Form Factor
Operating System Requirements	<ul style="list-style-type: none"> Windows 98SE/ME/2000/XP/2003/Vista; Mac OS 9.1 or higher; Linux Driver Requirements <ul style="list-style-type: none"> FireWire: <ul style="list-style-type: none"> No driver installation for Windows 98SE, ME, 2000, XP, 2003, Vista, Mac OS and Linux USB: <ul style="list-style-type: none"> No driver installation for Windows ME, 2000, XP, 2003, Vista, Mac OS and Linux. Driver available for Window 98 SE

Kit Includes	<ul style="list-style-type: none"> UF2PSATA22 Bridge Board FireWire plug to iLink plug Cable (Length=1.0 meter) A plug to B plug USB 2.0 Cable (Length=1.0 meter) SATA 7pin plug to SATA 7pin plug Cable with Latch on both ends (Length=0.5 meter) Ultra DMA100 Cable (Length=18 inch, Blue to Black) M-Shape DC Power Cable (Red, Black, Black, Yellow) with power connectors (one FDD like mini 4pin, one SATA 15pin power plug and two IDE big 4pin female plug). User's Guide
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Overview



1. Big 4-pin IDE Power Connector
2. FireWire 6pin Connector
3. iLink 4pin Connector
4. USB B-Type Connector
5. Write Protect LED
6. Write Protect Function Switch



7. IDC 2x20 Male Connector
8. Mini 4-pin FDD like Power Connector
9. SATA 7pin Connector with Latch Type
10. Power & Activity LEDs
11. Power Switch