Introduction to Computer Forensics and Security 6G7Z1009

Hardware Write Blockers

























Digital Intelligence www.digitalintel.com

0

UltraBlock - SATA

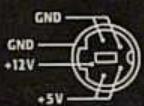
FireWire800+USB2.0 Serial ATA Bridge

- DC INPUT: +5V --- 2.0A +12V --- 2.0A

— DC OUTPUT (max): +5V == 1.0A +12V == 1.0A



View lacking into male connector



- CAUTION:

Do not plug/unplug the DC Out connector while the "Power" LED is illuminated.

Powered by:

ETABLEAU

Tableau, LLC www.tableau.com



Digital Intelligence

www.digitalintel.com

UltraBlock - SCSI

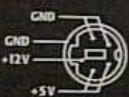
FireWire800+USB2.0 SCSI Bridge

-- DC INPUT: +5V --- 2.0A +12V --- 2.0A

- DC OUTPUT (max): +5V -- LOA +T2V -- LOA



View leaking into



- CAUTION:

Do not plug/unplug the DC Out connector while the "Power" LED is illuminated.

Powered by:

ETABLEAU

Tableau, LLC www.tableau.com

4 2005 Tableau, LLC. All rights reserved. The Tableau Lags is a trademark of Tableau, LLC. The Firmfrier Lags is a trademark of Apole Computer.



TABLEAU

Forensic USB Bridge

第一次 生物和原理性的

- DEIN

Host Detect

Power

Write Block

Activity

(lange)

Freedor - Hust - USB 20

Enter

Device Detect USB 2.0

종

OFF









LOGICUBE FORENSICS HARD DRIVE CAPTURE SYSTEM



ERROR STATUS POWER









SOURCE DRIVE

Physical Characteristics

Drive Model: FUJITSU MHK2120AT

Serial: 01467297

Cylinders Heads 23392

16

Sectors 63

Total Sectors 23579136

Drive Size 11.2 GB

Computed Hardware CRC Value: FEFDE010 Hex

Skipped Sectors: 0

DESTINATION DRIVE

Physical Characteristics

Drive Model: WDC WD1200JB-00CRA0

Serial: WD-WMA8C3766323

Cylinders 232581

Heads 16

Sectors 63

Total Sectors 234441648

Drive Size 111.8 GE

Computed Hardware CRC Value: FEFDE010 Hex



Questions?

m.owda@mmu.ac.uk

References

- ACPO Guidelines, Good Practice Guide for Computer-Based Electronic Evidence, www.7safe.com.
- Access Data FTK Imager, www.accessdata.com
- M. Hatzesberger, How to Forensically
 Acquire Data Using Software and Hardware
 Write-block Solutions.