

????????? Infiniband ??????

?????, ???

???mellanox ? MHEL-CF128-T ( pci-e ?? InfiniBand InfiniHost III Ex ?? dual port ?? ) ??

Windows :

[http://www.mellanox.com/related-docs...ser\\_manual.pdf](http://www.mellanox.com/related-docs...ser_manual.pdf)

Linux ???oped?? opensources driver

[http://www.mellanox.com/related-docs...\\_5\\_2-2\\_1\\_0.pdf](http://www.mellanox.com/related-docs..._5_2-2_1_0.pdf)

Esx ??????OFED Driver

[http://www.mellanox.com/related-docs...guide\\_1\\_30.pdf](http://www.mellanox.com/related-docs...guide_1_30.pdf)

infiniband gppe boot

[http://www.mellanox.com/related-docs...ser\\_manual.pdf](http://www.mellanox.com/related-docs...ser_manual.pdf)

1.?????? 2.????????? 3 .?firmware 4.??Driver 5.??Subnet Manger

????

[http://www.mellanox.com/content/page...enu\\_section=34](http://www.mellanox.com/content/page...enu_section=34)

?????Mellanox OFED for Windows (WinOF)

??????????



??infiniband HBA ??? ???? ???? ????FW. ????

??fw ????

Current FW version on flash: N/A

??MST start

    MST status ???

MST devices:

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    mt25208\_pciconf0

    mt25208\_pci\_cr0

??Firmware

[http://www.mellanox.com/content/page...firmware\\_table](http://www.mellanox.com/content/page...firmware_table)

???????????? ????FW

FW?????Beta?

??firmware ????

???

??? flint ??C:\Program Files\Mellanox\WinMFT>>flint -d mt25208\_pci\_cr0 -i CF128.bin -nofs burn

Beta???mlxburn ??ini ?mlx fw ????

mlxburn -fw ./fw-25208-rel.mlx -d mt25208\_pci\_cr0 -skip\_is

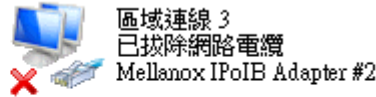
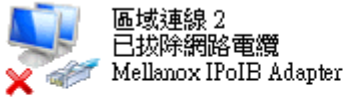
????bootrom

mlxburn -dev mt25208\_pci\_cr0 -fw fw-25208-rel.mlx -conf MHEL-CF128-T.ini -exp\_rom

IHOST3EX\_PORT2\_ROM-1.0.0.rom -skip\_is

(port1 ?port2 ????.???)

??????



??"?????"

infiband ???? ???? infiband switch ,??? 8 port nt 4???

????????CX4 Cable ???? ??????offline

???IB ????Subnet Manger ??????

???switch ??????

??????

???? <http://www.thirdio.com/> (Linux OS +FC Target driver ) ??????Emulex Card

????

Windows ?????? virtual dram disk ??

<http://www.romexsoftware.com/zh-cn/v...isk/index.html>

10G ??

sc start opensm

???Starwind ?iscsi ????

??

FC 8GB ????400 MB/sec

??????

1.IOPS (??????)

2.CPU???

C:\Program Files\Mellanox\WinMFT>mlxburn -fw 1.mlx -d mt26448\_pci\_cr0 -conf MNPH29C-XTR\_A2-A4.ini

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mlxburn -fw 1.mlx -d mt26448_pci_cr0 -conf MNPA19_A1-A3.ini
```