Tech Info Library

Drive Termination for Workgroup Servers (11/94)

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Revised:        11/9/94
Security:       Everyone


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Article Created: 9 November 1994


TOPIC -------------------------------------------------------------


This article describes drive termination for Workgroup Servers and shows what
resistors to remove to disable it.


DISCUSSION --------------------------------------------------------


Hard Drive or DAT drives may need to have the termination resistors removed or
made inoperative on certain configurations of multiple drive systems or
Workgroup Servers.  Below is a brief description of termination requirements for
the different systems or Workgroup Servers.  Refer to the graphics below for
termination locations on the various drives.


CPU                     Enclosure            Termination
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660 AV/Centris 660AV    All use the QFC       Hard Drive needs Termination
Q610 / Centris 610      enclosure
PM 6100
W/S 60
W/S 6150


IIVX, II VI             All use the Lego      Hard Drive needs Termination
Q650 / Centris 650      enclosure
PM 7100


Q800, Q800 AV           Uses one type of the  Last drive in line needs
                        of the Frigidaire     Termination. Remove
                        enclosure             termination from all other
                                              drives installed, including
                                              DAT


PM 8100                 Uses one type of the  Has two internal cables:
W/S 8150                Frigidaire enclosure  1)Internal/external cable
                                                 requires that all drives
```

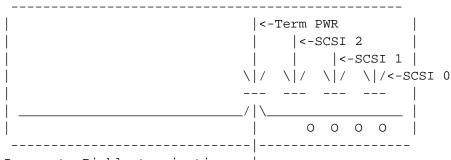   have no termination.Remove
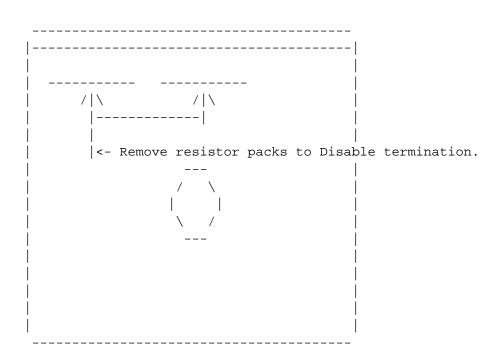   termination from all
                                                 internal drives
                                                 (termination is on cable)
                                              2)The internal channel
                                                 cable (max 1 drive only)
                                                 requires termination

Q900   Remove termination from all
Q950   internal drives (termination
W/S 95   is on cable)
W/S 9150

HP DAT Drive

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       --------------------------------------------------
       |                              |<-Term PWR        |
       |                              |    |<-SCSI 2     |
       |                              |    |    |<-SCSI 1 |
       |                             \|/  \|/  \|/  \|/<-SCSI 0
       |                             ---  ---  ---  ---   |
       | _____/|_____     |
       |                             |     O  O  O  O     |
       ----------------------------|------------------
   Remove Jumper to Diable termination ->|
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Conner Drives

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       |-------------------------------------|
       |                                     |
       |   ----------   ----------           |
       |      /|\           /|\              |
       |       |------------|                |
       |       |                             |
       |       |<- Remove resistor packs to Disable termination.
       |              ---                    |
       |             /   \                   |
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       |             \   /                   |
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Quantum Drives
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       |   ----------    ----------            |
       |      /|\           /|\                |
       |       |------------|                  |
       |       |            |                  |
       |       |<- Remove resistor packs to Disable termination.
       |                                       |
       |                                       |
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IBM Drives
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   |    |                                  Detail
   |    |<-- Se Detail             ---                    ---
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   |       \                      |   -------- -------- |
   |        \                     |                      |
   |         \                    ---------------------------
   |          \                   |_| |_| |_| |_| |_| |_| |_|
   |           \                  /|\ /|\ /|\          /|\<-Term
   |            |                  |   |  |<-SCSI 2  |   PWR
   |            |                  |   |<-SCSI 1      \|/
    -----------------------        |<-SCSI 0      Remove jumper
                                                  to Disable
                                                  termination


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