

How to Convert a DECnet (phase VI) Address

Engineering White Paper

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Convert DECnet Modified Ethernet Address

Using the DECnet Ethernet address example, **AA-00-04-00-C8-28**

Take the last two bytes of the address and reverse them, **28 C8**

Convert the individual digits to binary,

2	8	C	8
0010	1000	1100	1000

Group the binary numbers so that there are 6 numbers on the left and 10 on the right,

001010 00110010000

Convert the two binary numbers to decimal numbers,

001010	00110010000
10	200

DECnet Address: **10.200**

Convert DECnet Address to Ethernet Address

Using the DECnet address example, **10.200**

Convert the two decimal numbers to binary numbers,

10	200
001010	00110010000

Group the binary numbers into groups of four, **0010 1000 1100 1000**

Convert the binary number to hexadecimal numbers,

0010	1000	1100	1000
2	8	C	8

Group the hexadecimal numbers into groups of two, **28 C8**

Reverse the group order, **C8 28**

DECnet Modified Ethernet Address: **AA-00-04-00-C8-28**