

Class A N.H.H.H

Class B N.N.H.H

Class C N.N.N.H

126 N

7 ofis / 300 host

148.37.0.0/16

148.36.0.0/16

10010100.00100101.00000000.00000000

1 Network / $2^{16} - 2 = 65534$

10010100.00100101.00000000.00000000 - 148.37.0.0

10010100.00100101.00100000.00000000 - 148.37.32.0

10010100.00100101.01000000.00000000 - 148.37.64.0

10010100.00100101.01100000.00000000 - 148.37.96.0

10010100.00100101.10000000.00000000	-	148.37.128.0
10010100.00100101.10100000.00000000	-	148.37.160.0
10010100.00100101.11000000.00000000	-	148.37.192.0
10010100.00100101.11100000.00000000	-	148.37.224.0 reserved

LAN-1 148.37.0.0

10010100.00100101.00000000.00000000	-	reserved
10010100.00100101.00000000.00000001	-	148.37.0.1
10010100.00100101.00000000.00000010	-	148.37.0.2
10010100.00100101.00000000.00000011	-	148.37.0.3
10010100.00100101.00000000.00000100	-	148.37.0.4
10010100.00100101.00000000.00100101	-	148.37.0.5
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10010100.00100101.00000000.11111111	-	148.37.0.255
10010100.00100101.00000001.00000000	-	148.37.1.0

10010100.00100101.00000001.00000001 - 148.37.1.1
10010100.00100101.00000001.00000010 - 148.37.1.2
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10010100.00100101.00000001.00101101 - 148.37.1.45

10010100.00100101.00011111.11111111 - b/c 148.37.31.255

LAN-2 148.37.32.0
10010100.00100101.00100000.00000000 - reserved 148.37.32.0
10010100.00100101.00100000.00000001 - 148.37.32.1
10010100.00100101.00100000.00000010 - 148.37.32.2
10010100.00100101.00100000.00000011 - 148.37.32.3
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10010100.00100101.00100000.11111111 - 148.37.32.255

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10010100.00100101.00100001.00101101 - 148.37.33.45

10010100.00100101.00111111.11111111 - 148.37.63.255

LAN-3 148.37.64.0

10010100.00100101.01000000.00000000 - reserved

10010100.00100101.01000000.00000001 - 148.37.64.1

10010100.00100101.01000000.00000010 - 148.37.64.2

10010100.00100101.01000000.00000011 - 148.37.64.3

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10010100.00100101.01000000.11111111 - 148.37.64.255

10010100.00100101.01000001.00000000 - 148.37.65.0

10010100.00100101.01000001.00000001 - 148.37.65.1

10010100.00100101.01000001.00000010 - 148.37.65.2

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10010100.00100101.01000001.00101101 - 148.37.65.45

10010100.00100101.01011111.11111111 - 148.37.95.255

LAN-3 Subnet mask:
148.37.65.1 - 255.255.224.0
148.37.65.1/19 CIDR

10010100.00100101.01000000.00000000
11111111.11111111.11100000.00000000 --> 255.255.224.0

10010100.00100101.01000001.00000010 - 148.37.65.2
11111111.11111111.11100000.00000000
10010100.00100101.01000000.00000000 - 148.37.64.0

10010100.00100101.00100000.00000010 - 148.37.32.2
11111111.11111111.11100000.00000000
10010100.00100101.00100000.00000000 - 148.37.32.0

T T : T T:1 F:0
T F : F
F T : F
F F : F