



Router	Host	Net id	Máscara	Broadcast	Rango	Fa 0/0	Fa 0/1	S0/0/0	S0/0/1	WS
R1	28	199.1.7.125	X.X.X.224	199.1.7.159	X.X.X. 129-168	199.1.7 .129		199.1.7. 250	199.1.7. .04	199.1.7. .150
R2 A	12	199.1.7.16	X.XX.240	X.X.X.31	X.X.X. .17-30	—	199.1.7.17	X.X.X. .06	X.X.X. .09	X.X.X. .18
R2 B	60	199.1.7.64	X.X.X. 199	X.X.X.127	X.X.X. .65-126	X.X.X. .65	—	X.X.X. .17	X.X.X. .09	X.X.X. .66
R3	8	199.1.7.229	X.X. X.240	X.X.X.239	X.X.X. 225-236	X.X.X. .225	—	X.X.X. .10	X.X.X. .15	X.X.X. .226
R4	26	199.1.7.160	X.X. X.224	X.X.X.141	X.X.X. 131-191	X.X.X. .161	—	X.X.X. .19	X.X.X. .24	X.X.X. .162
R5	19	199.1.7.192	X.X. X.224	X.XX.223	X.X.X. 193-225	X.X.X. .193	—	X.X.X. .242	X.X.X. 245	X.X.X. .194
R6	15	199.1.7.32	X.X. X.224	X.X.X.63	X.X.X. 33-62	X.X.X. .33	—	X.X.X. .246	X.X.X. 249	X.X.X. .34

Net ID:	199.1.7.0	Máscara:		
Rango:	199.1.7.0 - 255	Host utilizables:		
Broadcast:	199.1.7.255			

	Binario	Decimal
Bloque (#/Size)	01	1/64
SubNet ID	01 000000	64
Rango	01 000001 - 111110	.65 - 128
Broadcast	01 111111	.127
Máscara	11 000000	.192
Bloque (#/Size)	10	2/32
SubNet ID	100 00000	128
Rango	100 000001 - 11110	.129 - .158
Broadcast	100 11111	.159
Máscara	111 00000	.129
Bloque (#/Size)	10	2/32
SubNet ID	101 00000	160
Rango	101 000001 - 11110	.161 - .190
Broadcast	101 11111	.191
Máscara	111 00000	.129
Bloque (#/Size)	11	3/32
SubNet ID	110 00000	192
Rango	110 000001 - 11110	.193 - .222
Broadcast	110 11111	.223
Máscara	111 00000	.229
Bloque	0 00011	
Net ID	00001100	.12
Rango	00001101 - 10	.13 - .14
Broadcast	00001111	.15
Máscara	11111100	.252

	Binario	Decimal
Bloque (#/Size)	00	0
SubNet ID	001 00000	.32
Rango	001 00001 - 11110	.33 - .52
Broadcast	001 11111	.63
Máscara	111 00000	.229
Bloque (#/Size)	00	.9/1
SubNet ID	0001 0000	.16
Rango	0001 0001 - 1110	.17 - .30
Broadcast	0001 1111	.31
Máscara	111 00000	.290
Bloque (#/Size)	11	3
SubNet ID	110 00000	.224
Rango	110 00001 - 1110	.225 - .238
Broadcast	110 11111	.239
Máscara	111 00000	.240
Bloque (#/Size)	00	
SubNet ID	00000100	.04
Rango	00000101 - 10	.05 - .06
Broadcast	00000111	.07
Máscara	11111 00	.252
Bloque	000010	
Net ID	00001000	
Rango	00001001 - 10	
Broadcast	00001011	
Máscara	11111100	

Blaque	1111 00	
Net IP	1111 0000	.240
BC	1111 00 11	.243
Rango	1111 00 01 10	.241 .242
Mascara	11111100	.252

Blaque	1111 01	
Net IP	111101 00	.249
BC	111101 11	.247
Rango	111101 01 10	.245 .246
Mascara	11111100	.252

Router	Host	Net ID	Mask/m	Broadcast	Range	Fa o/o
R1	39	199.1.9.64	255.255.255.192	(199.1.9.127)	168 - 126	199.1.9.65
R2A	15	199.1.9.32	x.x.x.224	x.x.x.63	132 - 62	x.x.x.33
R2B	72	x.x.x.8	x.x.x.8	x.x.x.255	.1 - 254	-
R3	10	x.x.x.16	x.x.x.240	x.x.x.31	.17 - .30	199.1.9.17
R4	32	x.x.x.128	x.x.x.192	x.x.x.191	.129 - 190	x.x.x.199
R5	23	x.x.x.192	x.x.x.224	x.x.x.223	.193 - 222	x.x.x.143
R6	18	x.x.x.32	x.x.x.224	x.x.x.63	.33 - .62	x.x.x.33

Fa o/o	50/10/0	50/10/1	W5
-	.26	.05	.60
-	.06	.09	.34
199.1.9.4	.00	.09	.2
-	.10	.13	.18
-	.14	.17	.30
-	.18	.21	.199
-	.22	.25	.34

Net ID:	199.1.9.0	Máscara:		255.255.255.0	
Rango:	199.1.9.0 - 233	Host utilizables:		254	
Broadcast:	199.1.9.255				

	Binario	Decimal
Bloque (#/Size)	01	
SubNet ID	01000000	64
Rango	01 000001 111110	65 - 126
Broadcast	01111111	-197
Máscara	†# 0000000	-192
Bloque (#/Size)	101	
SubNet ID	10100000	-160
Rango	101 00001 111110	-161 - 190
Broadcast	10111111	-191
Máscara	111 00000	-229
Bloque (#/Size)	001	
SubNet ID	00100000	-32
Rango	001 00001 111110	-33 - 62
Broadcast	00111111	-63
Máscara	111 00000	-229
Bloque (#/Size)	110	
SubNet ID	11000000	-224
Rango	110 00001 111110	-225 - 233
Broadcast	11011111	-239
Máscara	11110000	-240
Bloque	000010	
Net ID	000010	-8
BC	000010	-11
Masc.	1111100	-752
Rango	000010 01 10	-9 -10

	Binario	Decimal
Bloque (#/Size)	100	
SubNet ID	100 000 00	,128
Rango	100 000 01 11110	,129 - 137
Broadcast	10011111	-154
Máscara	111 00000	-224
Bloque (#/Size)	110	
SubNet ID	110 00000	,192
Rango	110 000 01 11110	,193 - 222
Broadcast	11011111	-223
Máscara	111 00000	-224
Bloque (#/Size)	00001	
SubNet ID	0001 000	,16
Rango	0001 0001 1110	,17 - 30
Broadcast	0001 1111	-31
Máscara	1111 0000	-240
Bloque (#/Size)	000001	
SubNet ID	000001 00	-4
Rango	000001 01 10	-5 - 6
Broadcast	000001 11	-7
Máscara	11111 00	-252
Bloque	000011	
Net id	00001100	,12
Rango	000011 01 10	,13 - 14
BC	000011 11	-15
Masc	11111 00	-232

Bloque	000100	
Net ID	000100 00	.10
BC	000100 11	.17
Rango	000100 01 10	.18 .19
Masc.	11111100	.252

Bloque	000110	—
Net ID	000110 00	.24
BC	000110 11	.27
Rango	000110 01 10	.25 .26
Masc	11111100	.252

Bloque	000101	.
Net ID	000101 00	.20
BC	000101 11	.23
Rango	000101 01 10	.21 .22
Masc	11111100	.252