

[Ethernet Frame]

수신처 MAC 주소 (48bit)	송신처 MAC 주소 (48bit)	타입 (16bit)	페이로드 (368~12,000bit)	FCS (32bit)
80:ca:4b:84:76:20	08:bf:b8:75:ea:8c	0x0800	0000 0000 0000 0000	0000 0000 0000 0000

[IPv4 Frame]

Version(4)	IHL(4)	DSCP	ECN	Total lenght	
0100	0101	0000 0000	0000	40	
Identification				Flags	Fragment offset
0x35f2				0x010	0
Time to Live		Protocol		Header checksum	
128		tcp (6)		unverified	
Source address					
192.168.123.102					
Destination address					
223.39.244.152					
Optioins					

[TCP Frame]

Source port											Destination port										
63986											35431										
Sequence number																					
256837																					
Ackkno l dgment number																					
31																					
Dataoff set		Resered		N S	C W R	E C E	U R G	A C K	P S H	R S T	S Y N	F I N	Window Size								
		000			0	0	0	1	0	0	0	0	-1								
Checksum													Urgent Pointer								
0x0fd6													0								
Optioins																					

[UDP Frame]

Source port	Destination port
50004	62342
Length	Checksum
301	0xc5c8

[ARP Frame]

Hardware type
Ethernet (1)
Protocol type
IPv4 (0x0800)
Hardware size
6
Protocol size
4
Opcode
(1)
Sender Mac address
00:00:65:10:22:1b
Sender IP address
10.1.0.1
Target MAC address
00:00:00:00:00:00
Target IP address
10.1.0.99

[ICMP Frame]

Version	IHL	DSCP	ECN	Total Length
0100	0101	0000 0000	0000 0000	60
Identification		Flags	Fragment Offset	
0001 0000 0000 0111		0100 0000	01000 0000 0000 0000	
TTL	Protocol		Header Checksum	
0100 0000	0000 0001		0000 1100 1110 0011	
Source IP address				
0000 1010 0101 0000 0000 1000 0111 1100				
Destination IP address				
0000 1010 0101 0000 0000 0000 1101 1100				
Type	Code		Checksum	
0000 1000	0000 0000		0101 1101 0110 0101	
Variable Field				
ICMP Data(Optional & Variable Length)				

[DHCP Frame]

OP (operation code)	HTYPE (Hardware type)	HLEN (Header length)	HOPS (hop counter)
2	0x01	6	1
XID (Transaction ID)			
0xaa755fe5			
SECS(SECONDS Elapsed)		FLAGS	
		0x0000 (Unicast)	
CIADDR (Client IP address)			
0.0.0.0			
YIADDR (Your IP address)			
24.6.170.101			
SIADDR (Server IP address)			
0.0.0.0			
CHADDR (Client Hardware address) :196			
00000000000000000000			
SN (Server Name) : 64 bytes			
Not given			
BFN (Boot file name) : 128 bytes			
Not given			
MAGIC Cookie			
DHCP			
Tag	Length of value Field		Value Field
OP (operation code) :64 bytes			