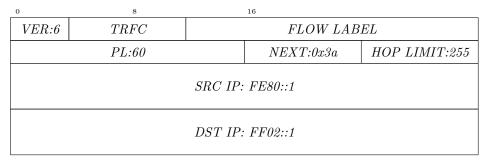
### IPv6 Packet



## MTU Option

0		8	16	
	TYPE: 0x05	LNGTH: 0x01	RESERVED1	
	MTU: 1500			

# **Prefix Option**

0	8	16		
TYPE: 0x03	LENGTH: 0x04	PREFIX LEN: 64	RESERVED1	
VALID LIFETIME: 2592000				
PREFERRED LIFETIME: 604800				
RESERVED2				
PREFIX: 2001:DB8:ACAD:1::				

### Router Advertisement Message

0	8	16	
TYPE: 0x86	CODE: 0x00	CHECKSUM: 0x0000	
Hop Limit: 0x40	RESERVED	Router Lifetime: 0x0708	
Reachable Time: 0x00000000			
Retrans Timer: 0x00000000			

# Link Layer Option

0		8	16
	TYPE: 0x01	LENGTH: 0x01	
LINK LAYER ADDRESS: 0060.3E5A.5801			

# ICMPv6 Neighbor Solicitation Message

0	8	16	
TYPE: 0x87	CODE: 0x00	CHECKSUM	
$R \mid S \mid O$	Reserved		
Target Address: 2001:DB8:ACAD:1::B			

### ICMPv6 Neighbor Advertisement Message

0	8	16	
TYPE: 0x88	CODE: 0x00	CHECKSUM	
R S O	Reserved		
Target Address: 2001:DB8:ACAD:1::B			

## ICMPv6 Echo Message

0	8	16
TYPE: 0x80	CODE: 0x00	CHECKSUM: 0x0000
IDENTIFIER: 2		SEQUENCE NUMBER: 1