0	8	16	24	31
OP	HTYPE	HLEN	HOPS	
TRANSACTION ID				
SECONDS		FLAGS		
CLIENT IPv4 ADDRESS				
YOUR IPv4 ADDRESS				
SERVER IPv4 ADDRESS				
ROUTER IPv4 ADDRESS				
CLIENT HARDWARE ADDRESS (16 OCTETS) ⋮				
SERVER HOST NAME (64 OCTETS) ⋮				
BOOT FILE NAME (128 OCTETS) ⋮				
OPTIONS (VARIABLE) ⋮				

Figure 22.1 The format of a DHCP message. The protocol uses fixed fields to keep the DHCP software small enough to fit into ROM.