

类型	代码	说明
0 - Echo Reply	0	echo 响应 (被程序 ping 使用)
1 and 2		保留
3 - 目的地不可到达	0	目标网络不可达
	1	目标主机不可达
	2	目标协议不可达
	3	目标端口不可达
	4	要求分段并设置 DF flag 标志
	5	源路由失败
	6	未知的目标网络
	7	未知的目标主机
	8	源主机隔离
	9	禁止访问的网络
	10	禁止访问的主机
	11	Network unreachable for TOS
	12	Host unreachable for TOS
	13	网络流量被禁止
4 - Source Quench	0	Source quench (congestion control)
5 - Redirect Message	0	重定向网络
	1	重定向主机
	2	Redirect Datagram for the TOS & network
	3	Redirect Datagram for the TOS & host
6		Alternate Host Address
7		保留
8 - Echo Request	0	Echo 请求
9 - Router Advertisement	0	路由建议
10 - Router Solicitation	0	Router discovery/selection/solicitation
11 - Time Exceeded	0	TTL 在传输中过期
	1	Fragment reassembly time exceeded
12 - 错误的 IP 头	0	Pointer indicates the error
	1	丢失选项
	2	不支持的长度
13 - Timestamp	0	时间戳
14 - Timestamp Reply	0	时间戳响应
15 - Information Request	0	Information Request
16 - Information Reply	0	Information Reply
17 - Address Mask Request	0	Address Mask Request
18 - Address Mask Reply	0	Address Mask Reply
19		因安全原因保留
20 through 29		Reserved for robustness experiment
30 - Traceroute	0	信息请求
31		数据报转换出错
32		手机网络重定向
33		Where-Are-You (originally meant for IPv6)

34		Here-I-Am (originally meant for IPv6)
35		Mobile Registration Request
36		Mobile Registration Reply
37		Domain Name Request
38		Domain Name Reply
39		SKIP Algorithm Discovery Protocol, Simple Key-Management for Internet Protocol
40		Photuris, Security failures
41		ICMP for experimental mobility protocols such as Seamoby [RFC4065]
42 through 255		保留