

Turbo Treck Mobile IP

product information

Product Overview

Turbo Treck Mobile IP allows a mobile device to roam to different IP networks while still being identified by its original IP address.

Designed for use with Turbo Treck TCP/IP, it provides the same high quality and performance that embedded systems designers have come to expect from Elmic Systems.

Included protocols

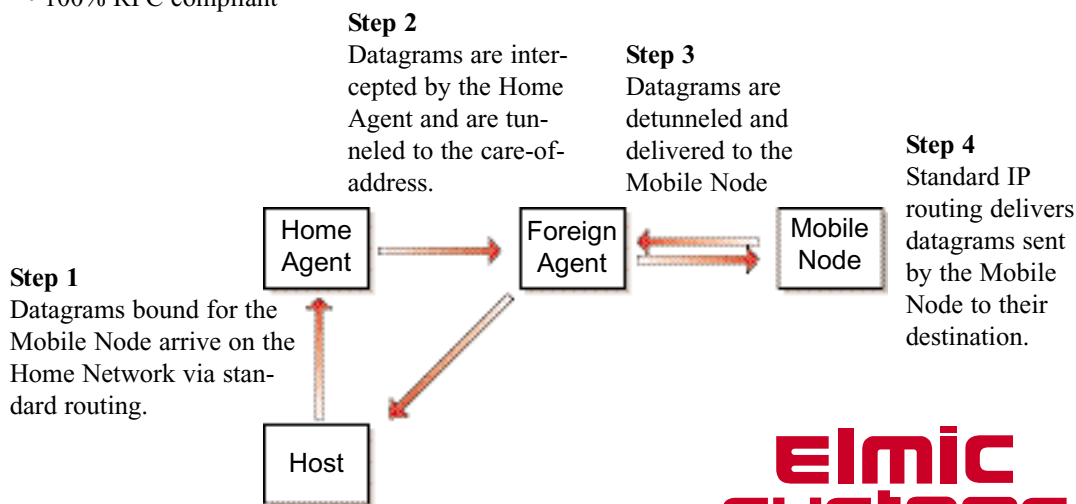
- Mobile IP (RFC-2002)
- IP Encapsulation (RFC-2003)
- Minimal IP Encapsulation (RFC-2004)

Features

- Can work with or without a foreign agent present.
- Mobile IP will detect when the mobile node has changed subnets and automatically registers with the home agent, without any user intervention.
- A notification function is provided so that the state of the mobile can be accurately tracked.
- All operation parameters can be configured at runtime.
- 100% RFC compliant
- Link layer independent
- User control of Mobile IP operation includes the ability to start move detection, notify of a possible network change and re-register with the current agent

Runtime Configuration

- Number of retransmissions and timeout values for all components of Mobile IP, such as registration and solicitations.
- A device can be configured to either co-locate or use a foreign agent.
- Call back functions to provide authentication information when authenticating to various foreign agents.
- Information about the home agent can be provided, including address and authentication information.
- The device can optionally be set to also receive broadcast messages from the home network.
- The registration lifetime can be biased downward which assists in move detection as well as avoiding registration timeouts.
- User preference dictates the use of a foreign agent or a co-located address



Mobile



Network

Elmic
systems