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(57) Abstract :

The present invention discloses a portable device (101) for dynamic IP reconfiguration in remote systems (100), incorporating multiple communication interfaces (102), an embedded firmware module (103), a user-friendly GUI interface (104), and a secure authentication unit (105). The device facilitates real-time IP reassignment through USB, Ethernet, or wireless connections without requiring administrative access. It supports both automatic and manual configuration modes and includes a Safe Boot Mode to recover systems from network failures, enhancing remote system manageability and operational reliability.

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