Embedded Web server based wireless robotic control

Abstract

The advent of Internet brought with a paradigm shift. So much has happened that no one knows where we will end up exactly. The only thing we know for sure is that things will continue to change and the effects will be very wide spread. One of the areas, which have been deeply affected by Internet technology, is much more. This project is proposed to control a robot by embedding the Internet technology into the small-embedded systems. This project provides a user-friendly and rapid ways to control the robot with standard web browsers and remote access. The project is designed to control the robot in forward, backward, right and left movement over the Ethernet. So it is very convenient for us to improve the standard of our lives in the future by using Embedded Internet/Ethernet. Embedded Ethernet as a "single-chip implementation of the Ethernet networking standard." Simply put, by embedding Ethernet onto a device, it has the capability to communicate via Ethernet without using a computer.