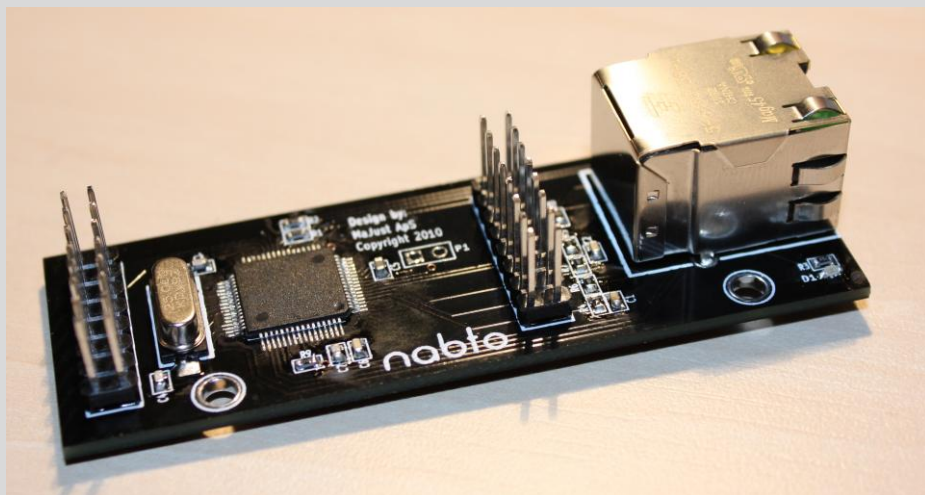The Nabto uServer is a simple, low cost module running a uNabto web-server, which interfaces with several types of I/O reachable from anywhere.

Schematics:

I/O Interface Connector	Microchip PIC18F66J60	RJ45 Ethernet

The uServer module runs a uNabto web-server which incorporates methods and technology used in VoIP, resulting in an easy-to reach board connectable from anywhere via dedicated client software or a browser using a Nabto plug-in. Use case examples of dedicated client software can be remote access to devices through rs232/485 or other serial interfaces making Modbus or other serial based protocol forwarding possible.

The module is also able to run a uNabto virtual web server, thereby enabling both HTML user interface and XML web service M2M interface on devices currently lacking an internet interface.

Your device connected

Since Nabto technology focuses on moving the complexity and load away from the device, the module only needs limited resources to inexpensively web-enable devices.

See Nabto technology brochure for more information

Main features:

• 64kb flash for code, 16kb reserved for uNabto software. 48kb free for embedded logic

• 3808 bytes RAM, 512 bytes reserved for uNabto software. 2808 bytes free for embedded logic.

• Up to Two Master Synchronous Serial Port (MSSP)
modules supporting SPI (all 4 modes) and I2C™Master and Slave modes

• Up to Two Enhanced USART modules:
  - Supports RS-485, RS-232 and LIN 1.2
  - Auto-wake-up on Start bit
  - Auto-Baud Detect (ABD)

• AD Converter 10-Bit, 11-Channels

Nabto offers support for:

• Smart phones:
  - iPhone
  - Android
  - Windows Mobile
• Internet Explorer
• Mozilla Firefox
• Windows 7, Windows XP, Windows 2000, Vista
• Apple MacOSX
• Linux: Ubuntu & Redhat