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# WIZwiki-W7500 mbed Starter Kit

## Introduction

This document provides information and examples for the utilization WIZwiki-W7500 mbed Starter Kit products. Include the following:

- Product Feature
- Kit Includes
- Tutorials
- Related documents



The WIZwiki-W7500 mbed Starter Kit is a product that you can learn how to take advantage of [WIZwiki-W7500](#) platform board.

This Kit includes the [WIZwiki-W7500](#) board, USB cable, LAN cable, breadboards, jumper wires, sensors, buttons, LEDs and resistors for users to implement the hardware DIY.

Using a variety of libraries and sample code posted on the ARM mbed, any novice user can easily implement

one's own application.

## Product Feature

This starter kit is suitable for beginners who want to make IoT device

Because WIZwiki-W7500 platform board has been mbed-enabled, user can use free on-line compiler and various examples in mbed.org site.

This kit includes a USB cable, a LAN cable, two breadboards, jumper wires, sensors, buttons, LEDs and resistors.

## Kit Includes

Part Name	Description	Q.Ty
WIZwiki-W7500	ARM Cortex-M0 Test Board	1
USB cable	USB Mini-B, 1meter	1
LAN cable	CAT5, 1meter	1
Breadboard	55 x 85 mm	2
Resistor (330 Ohm)	1/4W J(5%) 330 Ohm	20
Resistor (10K Ohm)	1/4W J(5%) 10K Ohm	20
Pushbutton Switch	Momentary Pushbutton Switch	4
LED (Red)	5pi DIP type Red LED	5
LED (Green)	5pi DIP type Green LED	5
LED (Yellow)	5pi DIP type Yellow LED	5
LED (RGB)	RED/GREEN/BLUE Triple Color LED	3
Rotary Potentiometer	Rotary Potentiometer / 10K Ohm	1
Humidity & Temperatur	DHT11 (Humidity & Temperature Sensor)	1
Temperature Sensor	TMP36GT9 (Low Voltage Temperature Sensor)	1
Photo Resistor	PGM5537D (CDS Photo Resistor)	1
Magnetic Buzzer	SM-1205C (Magnetic Buzzer)	1
Jumper Wire (M/M)	Various Colors, 26 AWG, 6" (15 cm) Jumper wires	40
Jumper Wire (M/F)	Various Colors, 26 AWG, 8" (20 cm) Jumper wires	10

## Kit parts datasheet

- [Kit parts datasheet](#)

## Tutorials

This tutorial helps user experiment mbed examples with on-line compiler.

- [Starter Kit Tutorial](#)

## Related documents

These documents are available at the ARM mbed website.

- [mbed developer site](#)

- [mbed WIZwiki-W7500 page](#)

These documents are available at WIZnet's website.

- [WIZnet WIZwiki-W7500 page](#)
- [How to start WIZwiki-W7500 Board](#)
- [How to install WIZwiki-W7500 serial driver](#)
- [How to write the firmware into WIZwiki-W7500](#)

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**Last update: 2015/08/21 13:25**

