0 Introduction to the class

Material available on website

Material available on the forum

Getting to the WICED website

@askiotexpert

alan\_hawse@cypress.com

All of the solutions are available on the forum

Describe the kit … builds a device all the way to Amazon.com

1.0 Chapter 1 introduction

1.1 Tour of WICED Studio

Project explorer

Apps

Build

Documentation

WICED website

Open with system editor

Include

Libraries

Resources

Console

Make targets

Help

1.2 Running snips

Each board is a platform

Make a make target

Snip.scan

Snip.graphics.uguitest

2.0 Chapter 2 introduction

2.1 The platform directory

schematics

Platform.h & platform.c

2.2 Creating new projects

2.3 GPIOs 2,4,5

The documentation

02.02 Blink LED

Go to declaration

02.04 read state of button

interrupt

2.4 Debug UART 3

Enumerates on your PC as two things

Using putty to connect

WICED\_APP\_INFO(( just like printf.. done mess up the two parenthesis

Print some stuff out

2.5 UART 10,11

2.6 PWM 9

2.7 I2C 6,7

3.0 Chapter 3 introduction & RTOS Introduction to WICED RTOS

3.1 WICED Threads - 1

3.2 WICED Semaphores - 2

3.3 WICED Mutex - 3

3.4 WICED Queue - 4

3.5 WICED Timer – 5

Chapter 4 introduction

Library – show the graphics

Chapter 5 introduction

WIFI

Tcp/ip networking stack

Wifi basics

WICED\_RESULT\_T

Connect to a WPA2 Network 1 & 2

Setup DCT global or local

Print network information 3

Mac

dns

DCT – modifying the DCT example 4

Chapter 6 introduction

Sockets

How the client/server works

WWEP protocol

Making a client

Making a server

Another day-------

Cloud protocols

Cloud - Amazon.com MQTT