Mercury System

Slave FW Upgrade Package

IoT and Connectivity Made Simple

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Revision Log				
Author	Date	Major	Minor	Description
Francesco Ficili	13/01/2019	1	0	Initial Release.

Summary

1. Introduction

This manual briefly explains the use of the SlaveFwUpgradePackage. Currently all the MS boards that have a local controller inside are sold with a pre-loaded FW inside, which implements the specific features of that board. This bunch of FWs is periodically updated with new features and fixings, and distributed to the users that can then upgrades their Slave Boars.

2. Update Procedure

Differently from the BB, which have his own bootloader, the MS slaves can be currently re-programmed only using an external device, like and official Microchip Programmer/debugger (Figure 1):

Figure 1 - PicKit 4 programmer/debugger

Each MS board that have a local controller inside got a programming connector on it, check the board DS for more details. To program the board we suggest to use one of the official Microchip SW, like MPLab IPE (check Microchip documentation for more details).

3. FW Images Package

The FW Images package contains all the hex files of the various Slaves FW and the overall revision history file (Figure 2):

RevisionHistory.txt	13/01/2019 13:17
EB210_ExpLcd.X.production.hex	13/01/2019 11:55
SB110_Relay.X.production.hex	13/01/2019 11:23
SB120_Neopixel.X.production.hex	13/01/2019 12:03
SB130_Servo.X.production.hex	13/01/2019 12:07
SB140_Hsd.X.production.hex	13/01/2019 12:10
SB310_UsBoard.X.production.hex	13/01/2019 12:13
SB320_Infrared.X.production.hex	13/01/2019 12:17
SB330_TempHum.X.production.hex	13/01/2019 12:21
SB810_GenIO.X.production.hex	13/01/2019 12:25

Figure 2 - Content of the Upgrade package