



GadgEon
Engineering Smartness



Rotimatic

Customer needed Gadgeon to develop the firmware for the product, Android Application and server application.

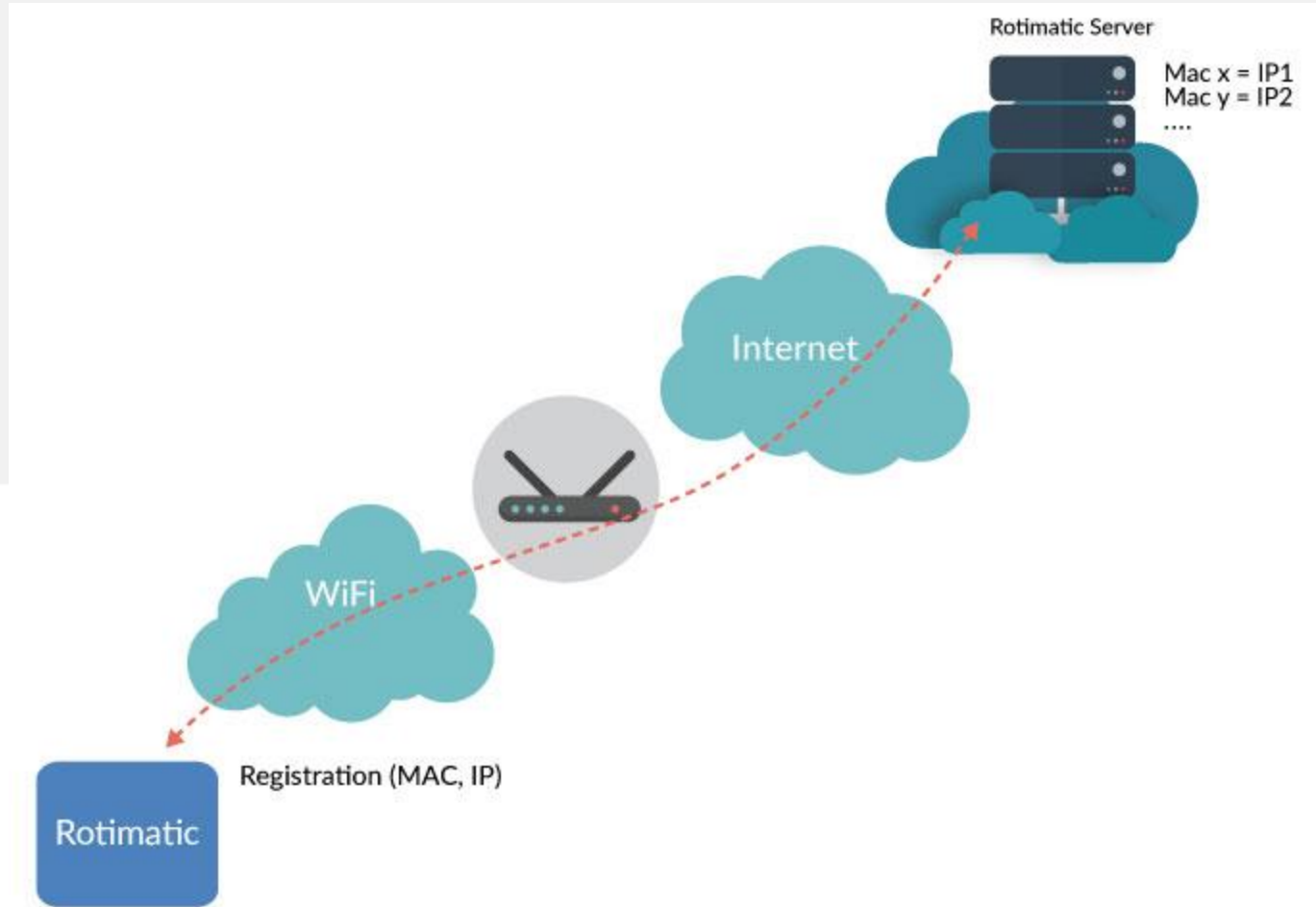
Challenge

- Porting of CC3000 drivers to PIC32
- CC3000 smart configuration support
- Periodic status updates to the cloud server regarding device status

Outcome

- Gadgeon designed and tested the firmware for the device
- Mobile application to test the FW was developed
- Maintained the code for the customer

Rotimatic – Data Flow Diagram



Rotimatic – Configuration Flow Diagram



WHAT DID GADGEON DO?	PLATFORMS/ TECHNOLOGIES USED
Architecture, Design and Implementation of Firmware	<ul style="list-style-type: none"> • Porting of CC3000 drivers to PIC32 • CC3000 smart configuration support • Periodic status updates to the cloud server regarding device status • Commands to device to initiate specific operations on the device from server (controlled from Android APP) using REST services • Field firmware upgrade demo with firmware stored in cloud server
Android application development	<ul style="list-style-type: none"> • CC3000 Smart configuration support to configure wireless network parameters • Control commands initiation for specific device via internet • Current status of device available on UI.





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