



GadgEon
Engineering Smartness



Wireless Vital Parameter Monitor

Company needed to build complete software stack for their healthcare SoC to mobile app to cloud to support a highly-functional wireless vital parameter remote monitor.

Challenge

- Ultra-low power optimization by implementing TDMA for WiFi protocol
- Integration of various physiological algorithms
- Porting security protocols on microcontroller

Outcome

- Product ready software stack - Wireless firmware, WPA authenticator/ supplicant, ECDH, WiFi TDMA, Security protocols, SoC peripheral library including IPC mechanism, Boot ROM and Mobile App
- Currently under going pilot trails



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