



Starhub and SmartPTT for Mission Critical communication on MTK processors

StarHub is a leading homegrown company in Singapore that delivers world-class communications, entertainment and digital solutions. With its extensive fibre and wireless infrastructure and global partnerships, it brings quality mobile and fixed services, a broad suite of premium content, and a diverse range of communication solutions to people's homes and enterprises.

StarHub develops and delivers solutions to corporate and government clients, incorporating artificial intelligence, cyber security, data analytics, Internet of Things and robotics. StarHub is committed to conducting its business in a sustainable and environmentally responsible manner. Listed on the Singapore Exchange mainboard, StarHub is a component stock of the SGX iEdge SG ESG Leaders and Transparency Indices and included in ESG-focused FTSE4Good Index Series. StarHub is ranked as the world's most sustainable Wireless Telecommunications Service Provider and Singapore's most sustainable Telco, in Corporate Knights Global 100.

Among its products, StarHub SmartPTT solution for Mission Critical communication is designed to be compliant with the 3GPP protocol and guarantees efficient communication across business and front-line operations.

StarHub has been looking for an entry level device to introduce into its PTT portfolio.

The requirement was that the PTT device needed to be able to manage a double APN (Access Point Name) setup.

This configuration must be able to handle:

- APN one is used for the standard internet connection
- APN two is used for routing the MCPTT communications

and the reasoning behind this is that, to guarantee quality of service, StarHub assigns priority to its SmartPTT users, even when the network is congested.

The final choice of device fell on the RG360.

Starhub and RugGear

In order to implement the RG360 into the network, RugGear and StarHub worked on developing a software solution, to allow the double APN set up on the MediaTek (MTK) processors, that are powering these RugGear devices.

MultiAPN set up on MediaTek processors hasn't been attempted many times before, but RugGear has demonstrated the wide capability of its Research and Development team.

Furthermore, the capability that the RG360 has to be used with StarHub SmartPTT platform to perform Push-to-Video operation has been an added benefit.

This is a first-of-its-kind offering in Singapore. With a single press of the PTT button, first responders or PTT users are able to stream live video to the command centre.

Future projects

With one solution successfully working and being deployed among customers and users, RugGear and StarHub are working on their next project together.

The RG655 has been selected as the next device to be deployed to StarHub's network and become Mission Critical capable.

Devices and Solutions to fit your needs

If you need help to improve your team's communication and you want to find out how RugGear can help your communication, get in touch.