Why Solidtronic RT-RoIP2 Is The Best Choice?

Standalone RoIP Gateway vs. PC Based RoIP Gateway
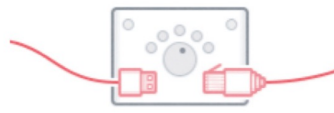## Cost Effective!

Ricky Mok - 18/9/2015

The cost of a RoIP system consist of equipment cost and system running cost. Assuming the connected radio is same on both standalone RoIP gateway based system and PC gateway based system, the comparison part is only focus on the RoIP gateways.

1. Gateway Equipment Cost

Because the Solidtronic RT-RoIP2 is a standalone RoIP gateway, the gateway cost is ONLY the cost of RT-RoIP2.

A PC based RoIP gateway consist of computer main unit, LCD, keyboard, mouse, PC-Radio interface(or say as RoIP controller), operating system, application software. The gateway cost is the sum of all components.

Although the cost of PC-Radio Interface is cheaper than the Solidtronic RT-RoIP2, however, when we focus on the total gateway cost, depends on the choice of PC, the PC based gateway may expensive than the Solidtronic RT-RoIP2. So, the Solidtronic RT-RoIP2 RoIP Gateway is a cost effective device!

2. Gateway Running Cost

The new generation Solidtronic RT-RoIP2 RoIP gateway operates with a low power consumption ARM processor. The overall power consumption is only 3W.

Typically, the power consumption of a PC based RoIP gateway is over 300W.

The Solidtronic RT-RoIP2 can help you to save a big amount of system running cost!
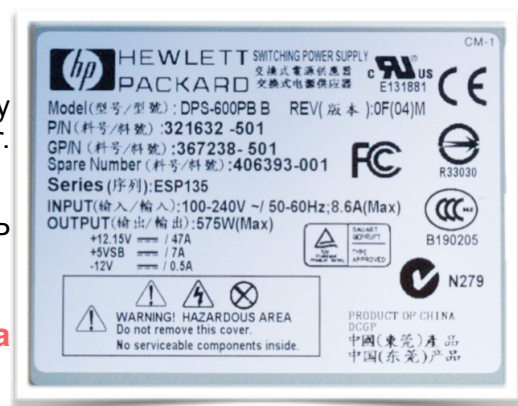
Why Solidtronic RT-RoIP2 Is The Best Choice?

Standalone RoIP Gateway vs. PC Based RoIP Gateway Stable PTT Communication!

Ricky Mok - 21/9/2015

Solidtronic introduces the 2nd generation Intelligent Audio Tracking System(iDats II), the first RoIP gateway to real time think and act on the incoming voice communication signal.
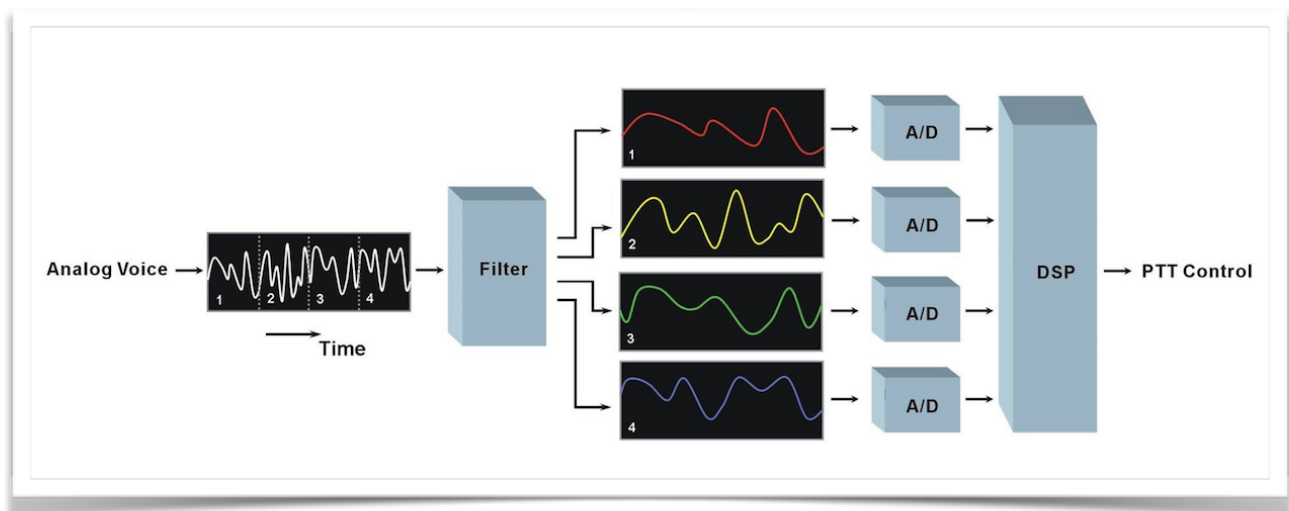

1. iDats II

The iDats II detects both signal changes and attempts at the interference and take the precise action required to prevent push-to-talk(PTT) control. As a result of fast PTT activation performance, delivers stable PTT voice messages between smart phones and 2-way radios.

2. Adaptive Digital Filter

Speckle noise is often found on the communication channel, it results on PTT false triggering. The new generation Solidtronic RT-RoIP2 is adopted adaptive digital filter to remove the speckle noise to prevent all PTT false triggering.

With iDats II extraordinary intelligence and active foresight, the new generation Solidtronic RT-RoIP2 brings amazing reality to interconnect between any radio system and smart phones. This includes conventional trunked analog FM, ETSI DMR, ETSI TETRA, MotoTRBO, APCO P25 FDMA, and NXDN.

Why Solidtronic RT-RoIP2 Is The Best Choice?

Standalone RoIP Gateway vs. PC Based RoIP Gateway Auto-Recovery After a Power Failure!

Ricky Mok - 29/9/2015

Will the gateway system automatic recover after power outage?

It is a good question! In the event of a power outage, it's important that the gateway system automatically restarts.
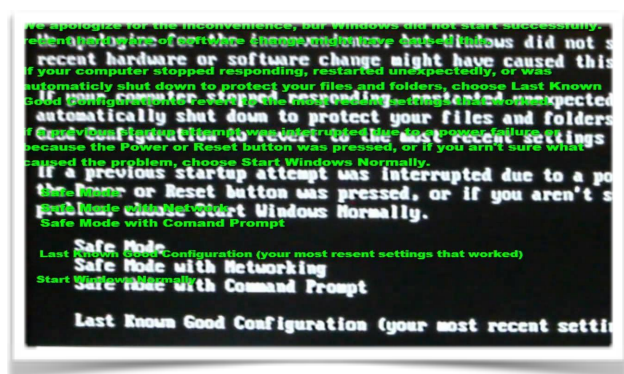
1. Solidtronic RT-RoIP2 Gateway

The Solidtronic RT-RoIP2 is protected against power outage! It is developed as always-on and combine with the auto start feature of Zello app, when power is restored from the event of a power outage, the gateway automatically restarts, runs the app and stands by PTT calls.

2. PC Based Gateway

The OS of PC may be damaged in the event of a power outage. When the PC is booted up, it comes to the screen… "We apologize for the inconvenience but windows did not start successfully…", so the OS is required to be repaired!

Even the PC can boot up, the application software is also required to manually restart, manually setup…

The Solidtronic RT-RoIP2 works well for automatically recovery after a power failure.