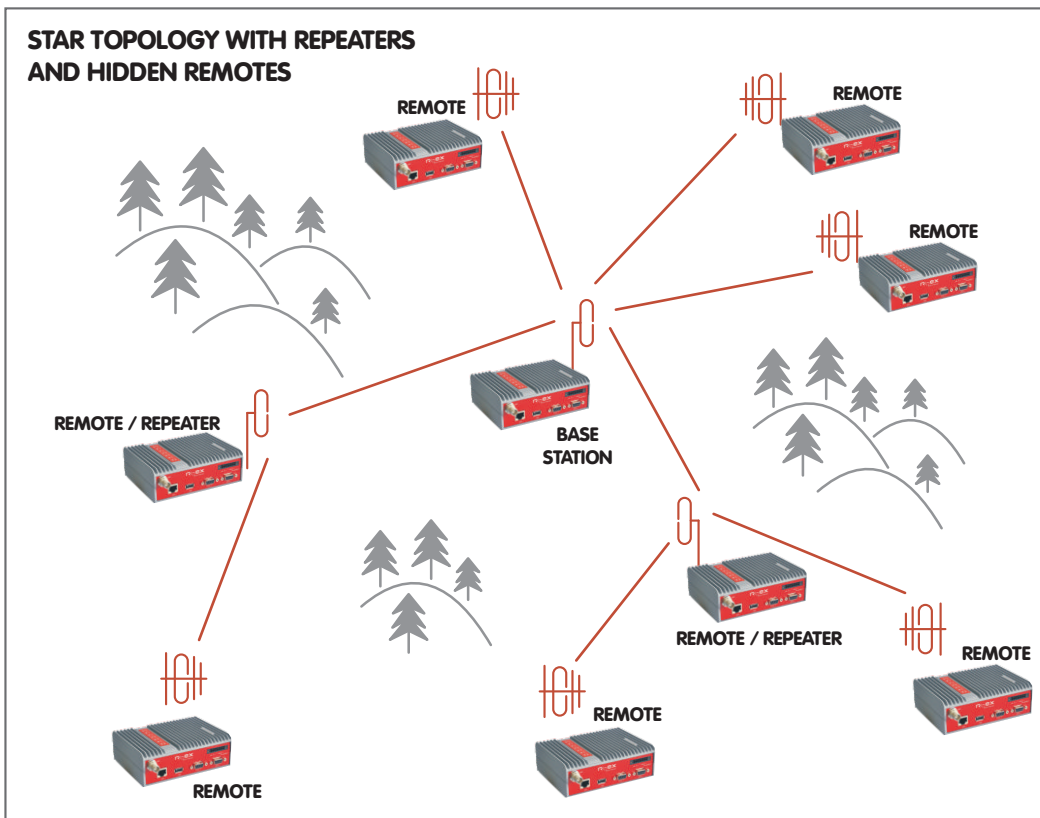


TCP/IP protocols like IEC104, used by modern RTUs, have historically created challenging problems because of limited throughput within narrowband radio data networks. Hence the reason RACOM has developed Base Driven protocol to solve the problem.

- TCP/IP transparent
- Optimized for IEC104
- No TCP errors
- No TCP disconnections

Tests confirm that the new RipEX 'Base Driven' protocol handles 5-10x more remotes under one base station and with higher reliability compared to others.



Radio modem & Router

- 166 kbps
- 1× ETH, 2× COM, 1× USB
- 0.1–10 watts, -40 to +70 °
- Sleep & Save modes
- Wifi management
- Fast remote access
- SW feature keys
- Native IP device

RipEX networks

- Future proofed
- Exceptional Data throughput
- Three Radio protocols
- Unlimited RF design
- Backup routes
- Native IP environment
- 3 year warranty

HIDDEN REMOTES

'Hidden remote' is a radio modem that is not heard by his neighbours. Modern SCADA networks are using more and more report-by-exception protocols, so 'hidden remotes' are creating problems, because common protocols on Radio channel are mostly based on Listen Before Transmit or Carrier Sense Multiple Access principles. Different Rx and Tx frequencies create the same issue in the network. RACOM **Base Driven** solves these problems.

- No collisions even in difficult terrain
- Suitable when different Rx and Tx frequencies are used
- Fair access to Radio channel for all remotes
- Channel capacity distributed fairly amongst all remotes

RipEX Base Driven protocol is revolutionising narrowband radio networks! Total user data throughput is significantly higher, creating much improved levels of stability and reliability!