

nanoNOC™



Driven by customer demand for secure, portable 3G/4G LTE command centers, RIVA Networks has designed an impressive SWAP package with powerful capabilities. This Network Operations Center (NOC) “in a box” is packaged in a 4U travel case - lightweight and small enough to fit in overhead storage bins on commercial aircraft.

Key nanoNOC™ Features

- Single Board Computer (SBC) running RIVA’s mature call control software license already in use by hundreds of customers.
- Starter nanoNOC kit includes just one nanoSDR programmable 3G or 4G LTE radio.
- Additional radios can be added as needed to increase LTE bandwidth or the number of 3G channels. No additional licenses required.
- nanoNOC kits can host a mix of nanoSDR configurations. For example, two radios programmed as 3G for comms, co-located with two radios programmed as LTE eNodeB.
- When programmed for 3G, each radio can support 16 simultaneous users.
- When programmed to 4G data, throughput at speeds up to 150/50 Mbps in LTE mode.
- I/O connections including: Ethernet, USB, Serial, VGA and HDMI.
- Two mini PCIe slots can be used for Epiq radios, SSD memory modules, LTE wireless modems, GPS module, Bluetooth module, Wi-Fi modules or any other miniPCIe devices.
- Soft shutdown Uninterruptable Power Supply.



The nanoNOC™ systems include:

- High performance Single Board Computer.
- Perpetual nanoNOC software license.
- nanoSDR software defined 3G/4G radio(s).
- Secure router.
- Antennas.
- Power cables.
- 4U travel case (many styles available).

nanoNOC™ systems include RIVA Network’s mature call control platform which has been evolving since 2001; with hundreds of systems already in the field.

RIVA offers many other “special software features” that can be enabled and RIVA can perform custom software development based on customer requirements.