



IP-based networking for real-time warfighter decision-making.

Rockwell Collins' QNT-200 SDR provides two-channel networking capability. Designed for size-, weight- and power-constrained platforms, it enables reliable, low-latency networked communications.

The QNT-200 uses the IP-based, dynamic mesh network to maintain situational awareness of all nodes in the network with high efficiency. It also features a coordination and control function to automatically establish a secondary

channel offering high-bandwidth connectivity to transmit and receive time-critical data.

Its low-latency mesh network monitors the data-link availability and network traffic to enable real-time, intelligent decision-making functions. These include the selection of the correct data link, spectrum deconfliction, spectrum allocation, position awareness and antenna beam steering/pointing.

KEY FEATURES/BENEFITS

- > Small form factor, two-channel, multi-band SDR
- > Rugged solution with over 100,000 hours of deployed, in-theater operation
- > Provides breakthrough technology enabling high node count and high-bandwidth, mobile networking
- > IP-based, low-latency, ad hoc mesh networking
- > Supports high-bandwidth connectivity for imagery and full-motion video
- > Enables fast, automatic joining and leaving of network by nodes for time-critical information connectivity
- > Provides long-range, reliable networking with spectrum-efficient, "on-demand" use of bandwidth



PHYSICAL CHARACTERISTICS

Length	9.4 in
Width	4.6 in
Height	2.3 in
Weight	4.8 lbs
Volume	87 in ³
Input power	28 VDC
Operating temperature	-40 to 54° C
Storage temperature	-40 to 85° C

PERFORMANCE CHARACTERISTICS

Frequency	V/UHF and L band
Output power	5 watts (V/UHF) 25 watts (L band)
Waveforms	Multiple SDR waveforms

KEY CAPABILITIES

- > Two-channel, multi-band SDR with IP-based, ad hoc, low-latency mesh networking
- > Offloads high-bandwidth data to secondary channel
- > Capable of intelligent coordination of data links and waveforms
- > Mission-critical data prioritization and delivery
- > Spectrum-efficient, “on-demand” use of bandwidth
- > Capable of delivering voice, data and video to support various missions
- > Built-in software to monitor and control network health

OPTIONAL INSTALLATION EQUIPMENT

- > UHF/L-band antennae
- > GPS antenna
- > Installation kits for multiple configurations (ground fixed, ground mobile, aerostat and pods)

Specifications subject to change without notice.

Building trust every day.

Rockwell Collins delivers innovative aviation and high-integrity solutions that transform commercial and government customers’ futures worldwide. Backed by a global network of service and support, we are deeply committed to putting our solutions to work for you, whenever and wherever you need us. In this way, working together, we build trust. Every day.

For more information, contact:

Rockwell Collins
 400 Collins Road NE
 Cedar Rapids, Iowa 52498
 800.321.2223 | +1.319.295.5100
 fax: +1.319.378.1172
learnmore@rockwellcollins.com
rockwellcollins.com