



TOWERLINQ™

ACTIVE DISTRIBUTED ANTENNA RADIO NODE (TQN)



ORDERING INFORMATION: TAS.12-10318-1.00

FEATURES

- Only 2 hour fire rated cabling solution
- Supports FCC Class A operation (narrowband)
- Supports 470 MHz to 520 MHz
- Operates on TowerlinQ twisted pair wire
 - 2 hour fire and riser rated
 - Up to 3000 meter cable length
 - NYC approved cable
 - low voltage safe
 - up to 40 nodes in network
- Utilizes UL864 listed power supplies
- TIQ.Cloud monitoring
- Supervised by Tactical Series DRC

TowerlinQ (TQ) system is a pioneer distributed active DAS auxiliary radio-communication system intended for use by firefighters and rescuers within high-rise buildings. It operates as a point-to-multipoint active RF (Radio Frequency) repeater and utilizes 2 hour fire and riser rated twisted pair fire alarm cable rather than standard RF or fiber optic cabling.

The TQ system consists of a set of active nodes (TQN) each of which itself is a transceiver. The controlling node (the hub) and regular TQN, up to 40 of them, communicate to each other via a serial bus type signaling line with maximum length of 3000 meters using TowerlinQ repeaters (TQR). In addition to the TQR and the TQN, the system includes a DRC (Dedicated Radio Console) unit and is integrated with a supporting TIQ.Cloud application.

TowerlinQ dramatically reduces the total cost of system construction and maintenance while providing the only fire-alarm grade solution to the first responder radio coverage market.

TQN (Node) Specifications:

Power Consumption	Max power consumption is 14W (24V 0.6A) per TQN
Dimensions	11.5" x 8" x 2.5"
Operating Temperature	0°C to 49°C
Operating Relative Humidity Range	0% to 93% at 32 c