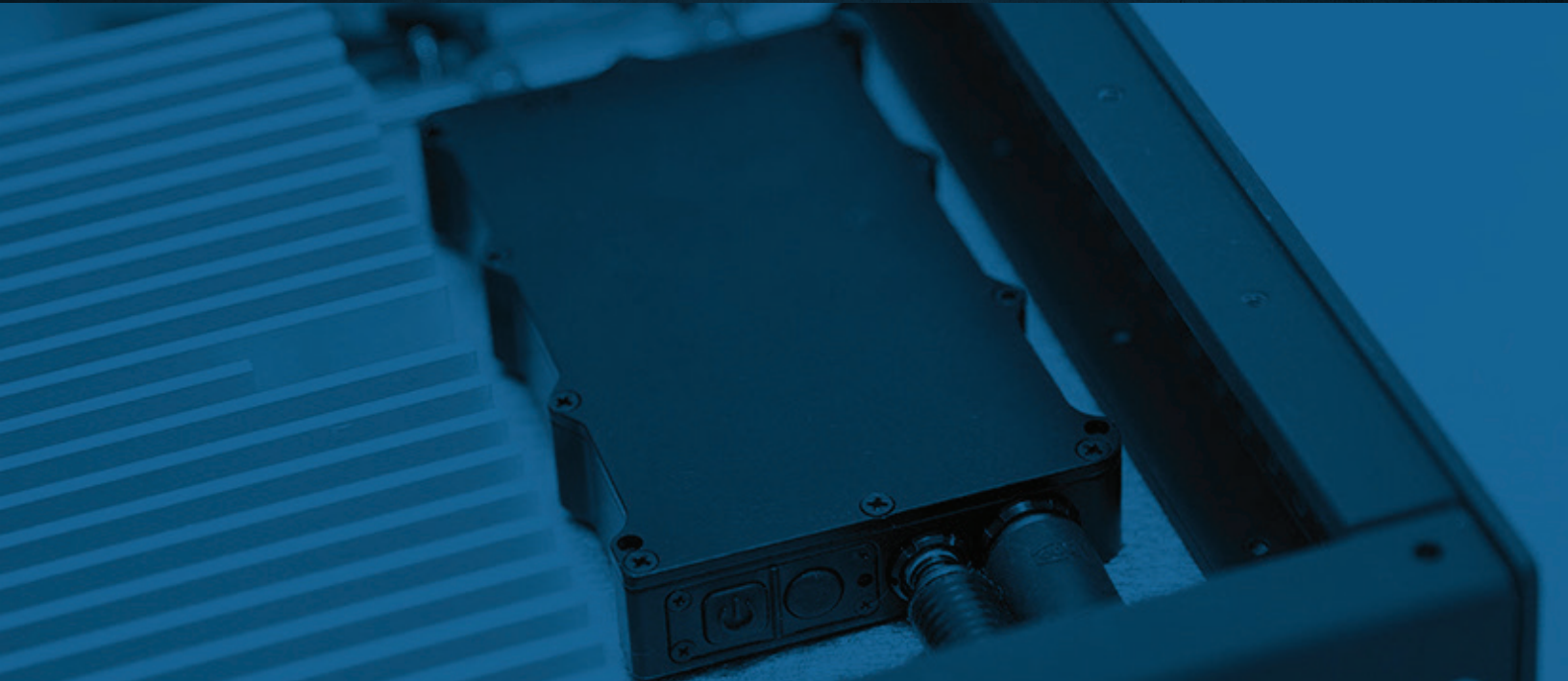


TWC-870 TSM GHOST™



FULLY INTEGRATED RADIO

The TWC-870 TSM Ghost™ radio is the smallest form factor TSM™-enabled TrellisWare™ radio without having to integrate at the board level. The TWC-870 provides the simplest integration path for platforms and assets that do not require the full feature set of a dismounted user radio. Deploying and integrating the TWC-870 is achieved by connecting RF and GPS antennas, data and power. This saves significant upfront engineering time and cost for platform providers and allows end users the ability to integrate the TSM™ waveform without specialized technical expertise.

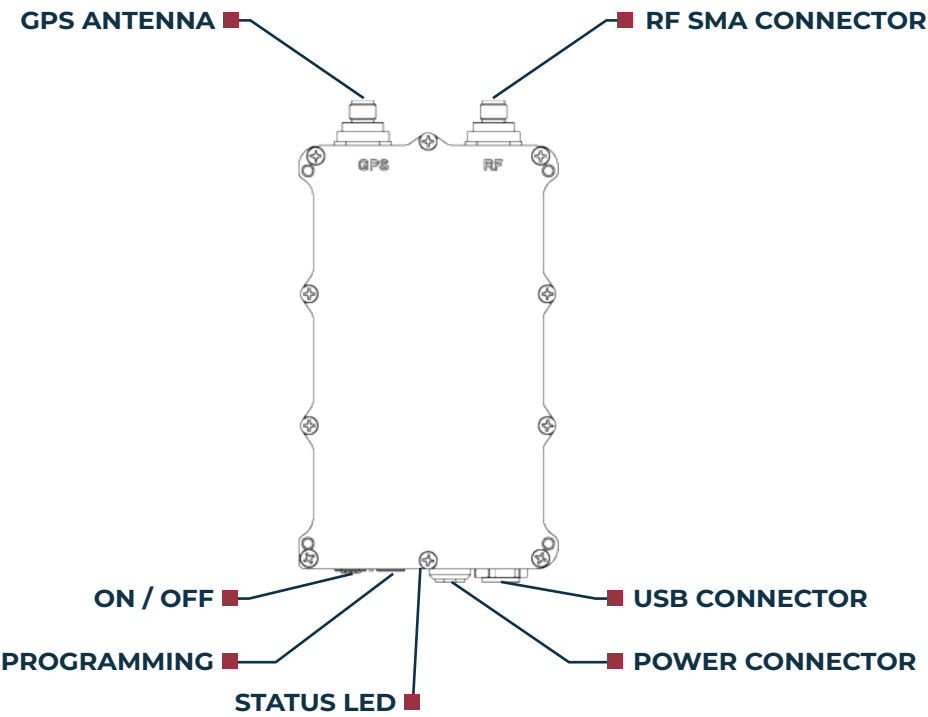
The TWC-870 accepts outside power, has GPS and RF antenna connectors, and a data interface. The radio covers the UHF, L-band, and S-band frequencies, and is ideal for fast deployed mobile ad-hoc networking scenarios.

RELIABLE IN HARSH CONDITIONS

TrellisWare's TSM waveform provides the only Mobile Ad-hoc Networking (MANET) solution with field-proven, cutting-edge Barrage Relay™ technology. This innovative technology uses unique digital signal processing and cooperative combining techniques to take advantage of multipath reflections and relays in harsh RF environments. This enables massive scalability and fast network adaptability.



TWC-870 TSM GHOST™



TWC-870 TSM GHOST RADIO SPECS

SIZE

4.06" (H) X 2.25" (W) X 0.62" (D)

WEIGHT (R/T ONLY)

8.8 OZ

FREQUENCY RANGE

L-UHF: 225–450 MHZ
U-UHF: 698–970 MHZ,
L/S BANDS: 1250–2600 MHZ

CONFIGURABLE BANDWIDTH

1.2, 4, 10, 20, 40 MHZ

TRANSMIT POWER

100 MW, 250 MW, 500 MW, 1 W, 2 W

ENVIRONMENTAL

MIL-STD-810G

TEMPERATURE RANGE

-20C TO +55C

WATER RESISTANT

IP68

CONNECTORS

USB ON-THE-GO, RF SMA, GPS SMA
4-PIN ODU POWER

DATA RATE

PT. TO PT., UP TO 16 MBPS (1-HOP)

POWER INPUT

5 V TO 20 V, 21 W PEAK, 3A MAX

WAVEFORM

TSM RELEASE 6