

TW-880 TSM GHOST™ EMBEDDED MODULE

SIMPLIFY YOUR TSM™ INTEGRATION

TW-880 TSM GHOST™ EMBEDDED MODULE

The TW-880 TSM Ghost Embedded Module was designed from the ground up to better meet communication systems integration requirements across a wide range of markets. The module provides interfaces and capabilities that integrators need in one of the industry's lowest size, weight, and power (SWaP) configurations.

APPLICATIONS.

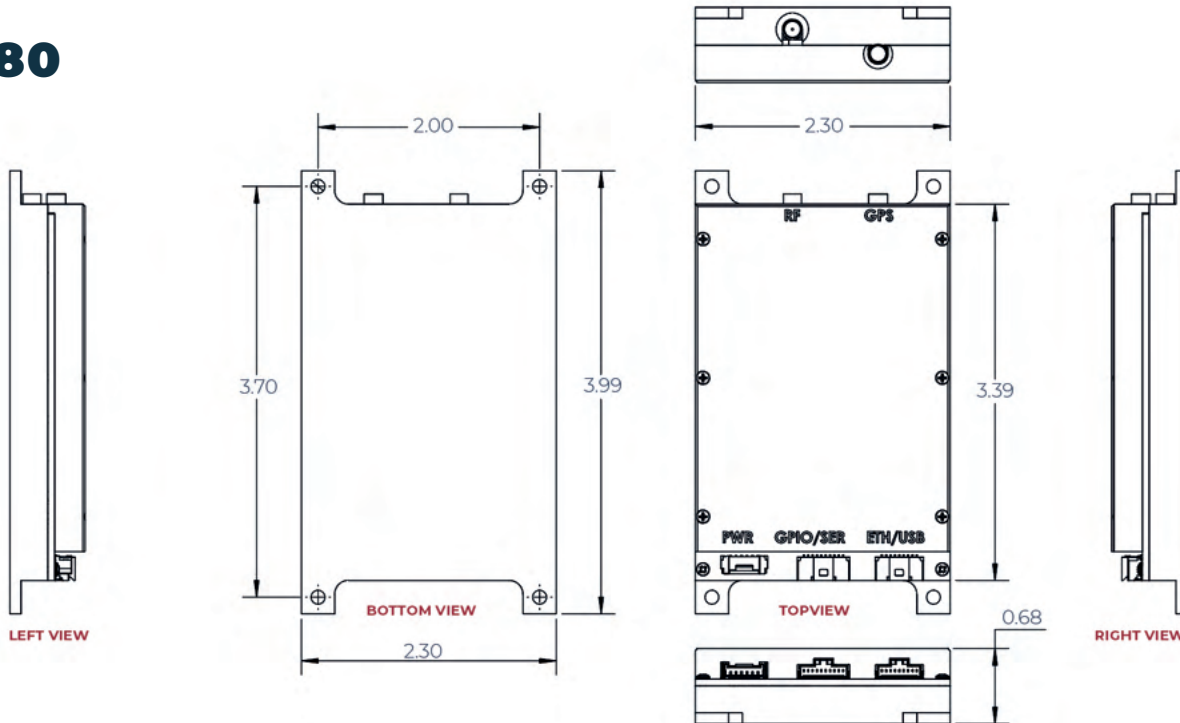
- Smallest, lightest, and most capable product for plug and play integration of the TrellisWare® TSM™ waveform.
- Requires minimal integration effort, significantly reducing non-recurring engineering (NRE) costs and time to market.
- Includes Ethernet, Serial, and USB data interfaces to support transmission of command and control (C2) communications, status, and payload data over the TSM network.
- Supports operation across the 225-450 MHz, 698-970 MHz, and 1250-2600 MHz frequency bands to provide integrators and operators radio frequency (RF) spectrum flexibility without the need to swap radio modules.



SCAN ME

TW-880 TSM GHOST™ EMBEDDED MODULE

TW-880



SPECIFICATIONS

PHYSICAL

OVERALL SIZE

3.99 L X 2.30 W X 0.68 H IN
(101.34 X 58.42 X 17.27 MM)

WEIGHT

4.6 OZ (130.41 G)

FREQUENCY RANGE

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

CONFIGURABLE BANDWIDTH

1.2, 3.6, 10, 20, 40 MHZ

TRANSMIT POWER

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

OPERATING TEMPERATURE RANGE

8 TO 20 VDC

INTERFACES

- USB ON-THE-GO
- ETHERNET
- CONTROL STATUS

· SERIAL DATA

- RF SMP
- GPS SMA

DATA RATE

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

SECURITY

- BUILT-IN AES-256 COMSEC
- TRANSEC

WAVEFORM

TSM RELEASE 6

ENVIRONMENTAL

MIL-STD-810G SHOCK & VIBRATION

INGRESS PROTECTION

IP41

OPERATING TEMPERATURE RANGE

-20°C TO +55°C (-4°F TO +131°F)

NETWORKING

NETWORK COVERAGE

- MOBILE AD HOC NETWORKING
- MULTI-HOP – UP TO 8 HOPS
- 400+ NODES IN A SINGLE RF CHANNEL
- ROBUST IN HARSH RF ENVIRONMENTS

COMMUNICATION SERVICES

- SIMULTANEOUS VOICE, DATA, AND PLI
- RELAY NODE FOR ALL TSM SERVICES (VOICE, DATA, PLI)
- UP TO 32 VOICE TALK GROUPS
- BUILT-IN GPS
- IP SUPPORT – IPV4, IPV6; UNICAST, M ULTICAST, BROADCAST; TCP, UDP

SECURITY

- AES-256

APPLICATION SUPPORT

- BUILT-IN WEB APPLICATIONS
- OVER THE AIR REMOTE CONTROL
- APIS FOR 3RD PARTY INTEGRATION
- PLI WITH COT, KML, AND JSON
- INTEGRATION WITH ANDROID™ APPLICATIONS

Specifications may change without notice.