



TrellisWare[®]
TECHNOLOGIES

J O I N T H E 
T R E L L I S // S P H E R E[®]



TrellisWare Technologies, Inc. launched in 2000 with an innovative culture striving to push technological boundaries in the area of resilient communications for commercial, government, and military end users. Our algorithms, waveforms, and communications systems range from small form factor radio products to fully integrated solutions. TrellisWare is delivering the next generation of communications *When Nothing Else Works*[™].

THE INTEROPERABILITY STANDARD FOR RESILIENT COMMUNICATIONS

TrellisWare's technology facilitates mission critical voice and data delivery in the most severe conditions. The result is an exceptionally robust, flat network that provides unprecedented scalability and supports hundreds of nodes while using less spectrum than any other Mobile Ad Hoc Networking (MANET) technology. TrellisWare's TSM[™] waveforms are incorporated into a wide range of systems, including TrellisWare[®] radios and trusted industry partner radios, as well as multiple government and commercial solutions.

In true collaboration, we are working with an ever-growing community of integrators, end users, and government stakeholders to develop the most capable networking solutions enabled by TrellisWare technology. We call this the **Trellis//Sphere**[®].

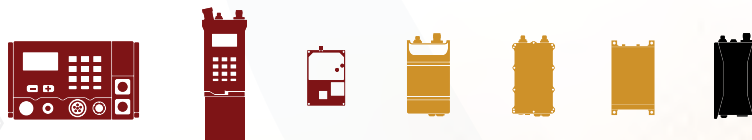
PROVEN SCALABILITY AND PERFORMANCE WITH THE TSM[™] WAVEFORM

The TrellisWare TSM waveform is the leading MANET solution to support uninterrupted communications in real dynamic environments. TrellisWare's proprietary Barrage Relay[™] technology eliminates routing, minimizes network overhead, and provides unrivaled scalability. TSM can support more than 800 nodes in a single channel, enabling a truly scalable network that is easy to use and deploy.

The TSM waveform provides mission critical voice, situational awareness, and data sharing without depending on infrastructure or pre-deploying equipment. As a true Software Defined Radio (SDR) waveform, the TSM waveform can be implemented on many different SDRs.

The TSM waveform is also available in low SWaP SDRs that are embeddable into platforms ranging from commercial micro unmanned aerial systems to tactical radios. The result is an ecosystem that forms the most powerful network, enabling interoperability between partner platforms, sensors, and systems.

Come join us in the **Trellis//Sphere** and see what we can accomplish together.










T R E L L I S W A R E . C O M

When Nothing Else Works[™]

For more information, contact sales@trellisware.com

TRELLISWARE'S BARRAGE RELAY™ TECHNOLOGY, TSM™ WAVEFORM, AND TACTICAL RADIO SOLUTIONS ARE USED BY THE MILITARY, PUBLIC SAFETY, UNCREWED MARKETS, AND OTHER COMMERCIAL INDUSTRIES WHERE RESILIENT WIRELESS COMMUNICATIONS ARE REQUIRED

- Global frequency support covering the UHF, L-band, and S-band (225-400 MHz, 698-970 MHz, and 1250-2600 MHz) in a single radio, maximizing effectiveness and minimizing complexity
- Software Defined Radio (SDR) technology with multi-waveform support, operating both the TSM™ and Katana™ waveforms to provide wideband MANET, electronic counter-countermeasures (ECCM), and low probability of detection (LPD) capabilities, for an all-in-one resilient networking solution that supports dynamic mission environments and threats
- Built-in Advanced Encryption Standard (AES) security protects voice, Position Location Information (PLI), data, and networking traffic
- Interoperable with all TSM-enabled devices within the Trellis//Sphere to include Type 1 encrypted TSM-X™ radios

Product Name	Radio	Use	Description
TW-900/950 TSM Shadow® Radio		Dismounted and mounted operations	Provides an expanded frequency range, higher throughputs for streaming multiple HD videos, and offers the most flexible data interface options in its class.
TW-135 TSM Shadow® High Power Radio		Mounted, fixed site and manpack operations	Complements the TW-950 TSM Shadow by providing greater transmission power and supports a wide range of configurations.
TW-860 TSM Spirit® Radio		Dismounted operations, squad level communications	Ideal for deployment at the edge of the network, designed for next-generation soldier systems, public safety, and first responder requirements.
TW-880 TSM Ghost™ Embedded Module		Platform integration	Smallest, lightest, and most capable product for plug and play integration of the TrellisWare TSM waveform.
TW-875 TSM Ghost™ Radio		Platform integration, relay	Provides flexibility in deploying and enhancing TSM networks with a simplified radio design and built-in battery.
TW-870 TSM Ghost™ Radio		Platform integration	Fully integrated, self-contained radio module for fast integration into third-party systems with little to no engineering effort.
TW-650 TSM Shadow® Module		Embedded integration	Software-Defined Radio (SDR) architected for embedment into a wide range of systems, including tactical communications platforms, network devices, and uncrewed systems.

The above TrellisWare products are under the jurisdiction of the Department of Commerce and are subject to the Export Administration Regulations ("EAR").

PARTNER RADIOS OFFERING TRELLISWARE TSM WAVEFORMS

