

# Citadel Enmesh



## IP-CONNECTED INTEROPERABILITY SOLUTION

Citadel Enmesh connects up to four mobile radio units allowing in-field interoperability between diverse radio formats and RF bands. If you require more than four radios, multiple Enmesh units connect utilizing IP so you can build any sized interoperability bridge locally or over any distance. More than just an interoperability bridge, Enmesh can be used to extend coverage into unserved areas. Citadel Enmesh units are built for the elements, and can be left in place permanently to provide RoIP gateways between systems, even where those systems are far apart.

## SCALABLE ROIP ECOSYSTEM

When your tactical operation needs centralized, instant communications across all the First Responders at your site, consider the InterTalk field deployable Encompass Mobile Dispatch Console System. The Encompass can be set up and operating in five minutes, connecting all your agency's Enmesh units locally or across an IP network. You have instant access to field units, regardless of the band or format they are using. Quickly and effortlessly set up and pull down joined networks while simultaneously monitoring everything that is going on across all connected networks. With Encompass & Enmesh, you can talk to any of them – instantly!

## BROWSER-BASED MANAGEMENT

Interoperability connections are configured via an IP connected PC or laptop using a standard browser like Firefox or Chrome. The connections can be easily changed as your agency's requirements evolve. The management dashboard lets you easily check, set and test levels for proper PTT operation. VOX-based buffering is used to ensure that no audio is ever lost. While the InterTalk's honed default settings work well in most cases, the dashboard gives you full flexibility to adjust all VOX and buffer parameters allowing optimization of every connection.

## STANDARDS-BASED ASSURANCE

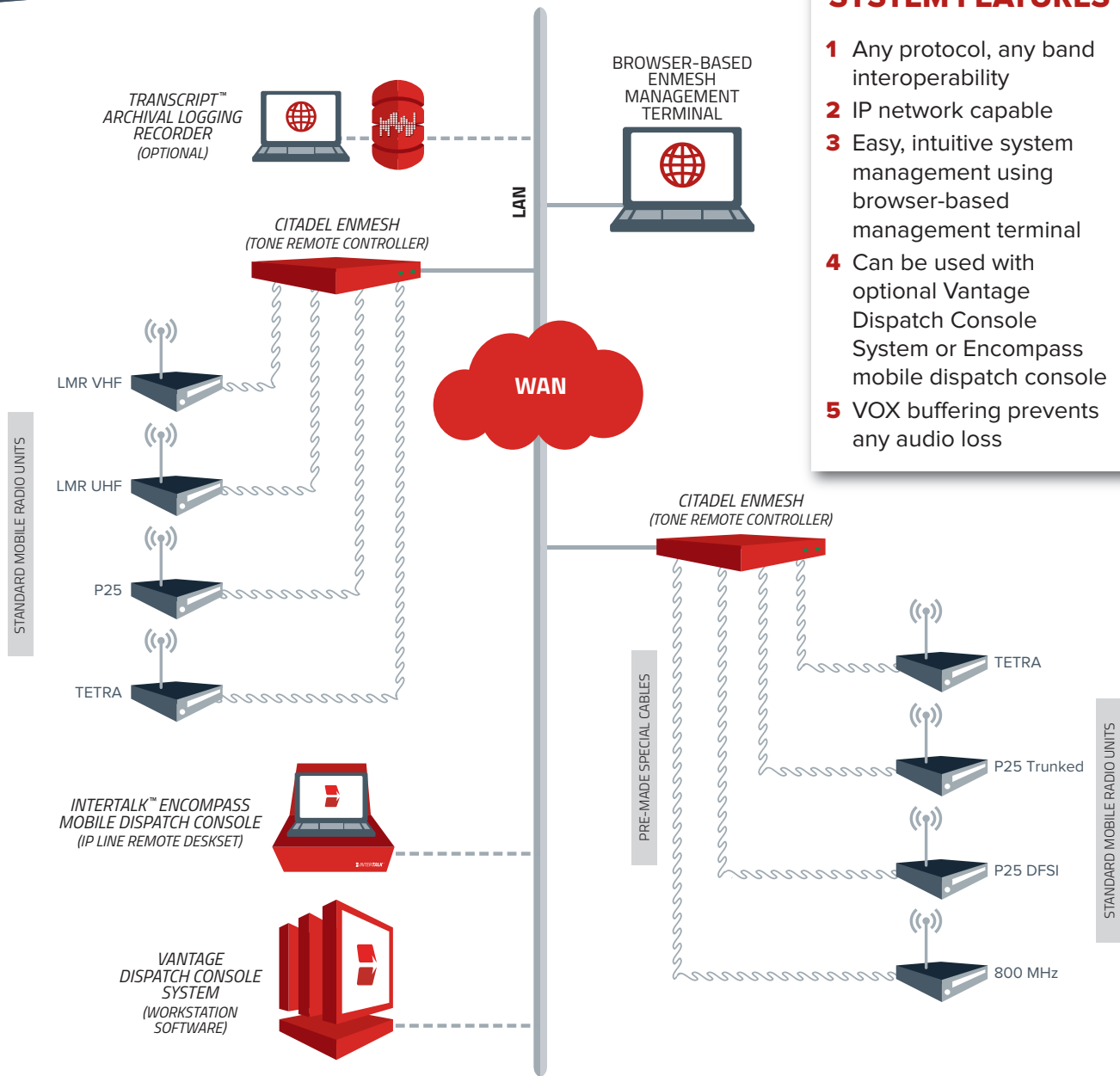
Citadel Enmesh is housed in a standard 1 RU high 19" rack-mountable enclosure small enough to fit into nearly any rack. Alternately, the unit can be conveniently mounted vertically on a backboard or any open wall space. Citadel Enmesh can be fitted with various power supplies for 12 VDC, -48 VDC, 120 VAC or 240 VAC. Redundant dual power feeds allow multiple supplies to be used. With pre-made interconnecting cables, Citadel Enmesh is ready to go within minutes of arriving at the scene. Cables are available for most mobile radio brands, and InterTalk will always accommodate any of your agency's special requirements.

## DATA SECURITY

We recognize the growing importance of protecting your organization's sensitive data, as evidenced by InterTalk's ISO 27001:2013 certification for Information Security Management Systems. Combined with our ISO 9001:2015 certification for Quality Management Systems, you can be assured that InterTalk is a global industry leader in product quality and



# Citadel Enmesh System Drawing & Specs



## SYSTEM FEATURES

- 1 Any protocol, any band interoperability
- 2 IP network capable
- 3 Easy, intuitive system management using browser-based management terminal
- 4 Can be used with optional Vantage Dispatch Console System or Encompass mobile dispatch console
- 5 VOX buffering prevents any audio loss

## SPECIFICATIONS

Distortion	< 0.5%
Noise	-65 dBc
Crosstalk	< 60 dB
Max Output	3 Vrms
Minimum Input	14 mVrms

Frequency Response	300 - 3000 Hz +/-3 dB
Connectors	RJ45
Input Power	12 vdc; 3 watts
Physical Dimensions	1.72" H x 11.1" D x 19.0" W
Weight	7 lbs