



KEY MANAGEMENT FACILITY

P25 KEY MANAGEMENT FACILITY FOR PUBLIC SAFETY

The Tait P25 Key Management Facility (KMF) is a flexible, powerful tool for any agency seeking to confidently and efficiently manage P25 encryption across their entire fleet.

Only the easy-to-use Tait P25 KMF has a custom Dashboard enabling each crypto officer to see information the way they need to. Different teams' keys can be updated at a time to suit their operational profile. The Tait P25 KMF can update groups of radios over the air, at the press of a button. Other manufacturers' P25 radios can also be managed conveniently, while remote diagnostics save technicians' time.

WHY CHOOSE TAIT'S P25 KMF?

- **Easy to use and customizable:** As the only KMF with a custom Dashboard, this Over-The-Air Rekeying (OTAR) tool enables each crypto officer to set up, sort and see the keys, groups, radios, and tasks they are interested in.
- **Meets different teams' needs:** Benefit from total DES/AES security while also enabling different teams' keys to be updated at a time which suits their size and operational profile. This increased confidence in the system greatly reduces RF traffic and user requests to rekey.
- **Makes the complex simple:** Reminders helpfully prompt when keys may need changing, while Key Update Tasks can be scheduled and deployed without the crypto officer being present. Status bars show how current keys and update tasks are, and color coding and visual displays make decision-making clear and simple.
- **Value for time and money:** A complete set of diagnostics across all devices allows crypto officers to troubleshoot and resolve problems remotely, saving technician time and money by avoiding visits altogether.
- **Security and certainty with Tait OTAR:** Badly-managed encryption can be worse than no encryption at all. Choose the efficient and easy-to-use Tait P25 KMF as part of a Tait conventional or trunked OTAR infrastructure solution, secure and certain that officers and citizens will be safer.
- **Comprehensive solution:** Have confidence that all radios are accessible with Tait's key transfer capability. Commission new radios or update radios that are not reachable by the OTAR system by transferring keys from the KMF to a Tait P25 Key Fill Device (KFD).



Key features

- **Authorities:** With the Tait P25 KMF, owners can be assigned to keys and groups, whose contact information is stored in the KMF. This helps crypto officers to contact those responsible for the keys and groups if a problem arises.
- **Dashboard:** A customizable Dashboard allows you to track Key Update Tasks, Common Key References, groups, and devices that you are interested in.
- **Diagnostics:** The Tait P25 KMF has comprehensive diagnostics which have been designed specifically to establish the state of devices on the network: You can check to see if a device is on the system, verify which keys it has, and update all the keys, as well as perform a number of other diagnostic tests.
- **Key Update Task:** With the Tait P25 KMF, messages are sent only to radios specified by the Key Update Task, without needing to address the entire fleet. You can schedule Key Update Tasks to occur at anytime. This is automated, therefore it is more secure and saves bandwidth.
- **Problem Devices:** This unique feature makes it easy to track devices that can be contacted but can't be updated. The Problem Device indicator is highlighted if there is any change to the list of Problem Devices.
- **Redundancy:** The Tait P25 KMF offers multiple levels of redundancy. This feature gives users real peace of mind because they are protected against hardware and power failures, with virtually no downtime.
- **Sectors:** To make devices easier to track, they can be assigned to sectors. A sector can be a region or an agency.
- **Unique Key Encryption Key (UKEK):** Most agencies use a Common Provisioning Key (sometimes called a "shop key") for the UKEK in all radios. The Tait P25 KMF can automatically generate a truly unique UKEK for every radio. These can either be exported to a KFD for use when commissioning new radios in the shop, or the KMF can replace the Common Provisioning Key with a unique UKEK the first time a radio goes on the network.

Specifications

Server	2U rack mounted server with quad-core Intel processor
Redundancy	Dual hot-swappable power supplies, dual RAID hot-swappable hard drives
Cryptographic Services	FIPS certified tamper-proof hardware security module
Software options	
TKAS101	KMF 1-150 Devices
TKAS102	KMF 151-1,000 Devices
TKAS103	KMF 1,001-4,000 Devices
TKAS104	KMF 4,001-10,000 Devices
TKAS106	KMF key export (to Tait P25 KFD)

Ordering Information

TN9121-0000	KMF server package
TN9122-0000	KMF standby server package

For more information, please visit our website at www.taitradio.com

AUTHORIZED DEALER

