tait
communications

P25 Key Management Facility

Manage P25 encryption across your fleet, confidently and efficiently, with the flexible and powerful Tait P25 Key Management Facility.

Only the user-friendly Tait P25 Key Management Facility (KMF) has a custom dashboard that enables crypto officers to see information the way they need to. Officers can update different teams' keys when it best suits their workloads and schedules, as well as updating groups of radios over the air at the press of a button.

Other manufacturers' P25 radios can also be conveniently managed, and the remote diagnostics will save you time.

Easy-to-use and customizable
The Tait P25 KMF enables each crypto officer to set up, sort and see the keys, groups, radios and tasks they are interested in, all within the custom dashboard.

Meets the needs of different teams
Benefit from total DES/AES security while also enabling different teams' keys to be updated at a time that 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 will prompt you when keys need changing, and you can schedule and deploy Key Update Tasks to run automatically. The 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.

The efficient and easy-to-use Tait P25 KMF, as part of a Tait conventional or trunked OTAR infrastructure solution, provides security and certainty that officers and citizens will be safer.

Comprehensive solution
All radios are accessible with Tait's key transfer capability. You can commission new radios or update radios that are not reachable by the OTAR system by transfering keys from the KMF to a Tait P25 Key Fill Device (KFD).

FEATURES AND BENEFITS

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 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 a comprehensive diagnostics tool that has 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 the 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 not 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 AC PSU
TN9122-0000	KMF standby server package AC PSU
TN9123-0000	KMF server package DC PSU
TN9124-0000	KMF standby server package DC PSU