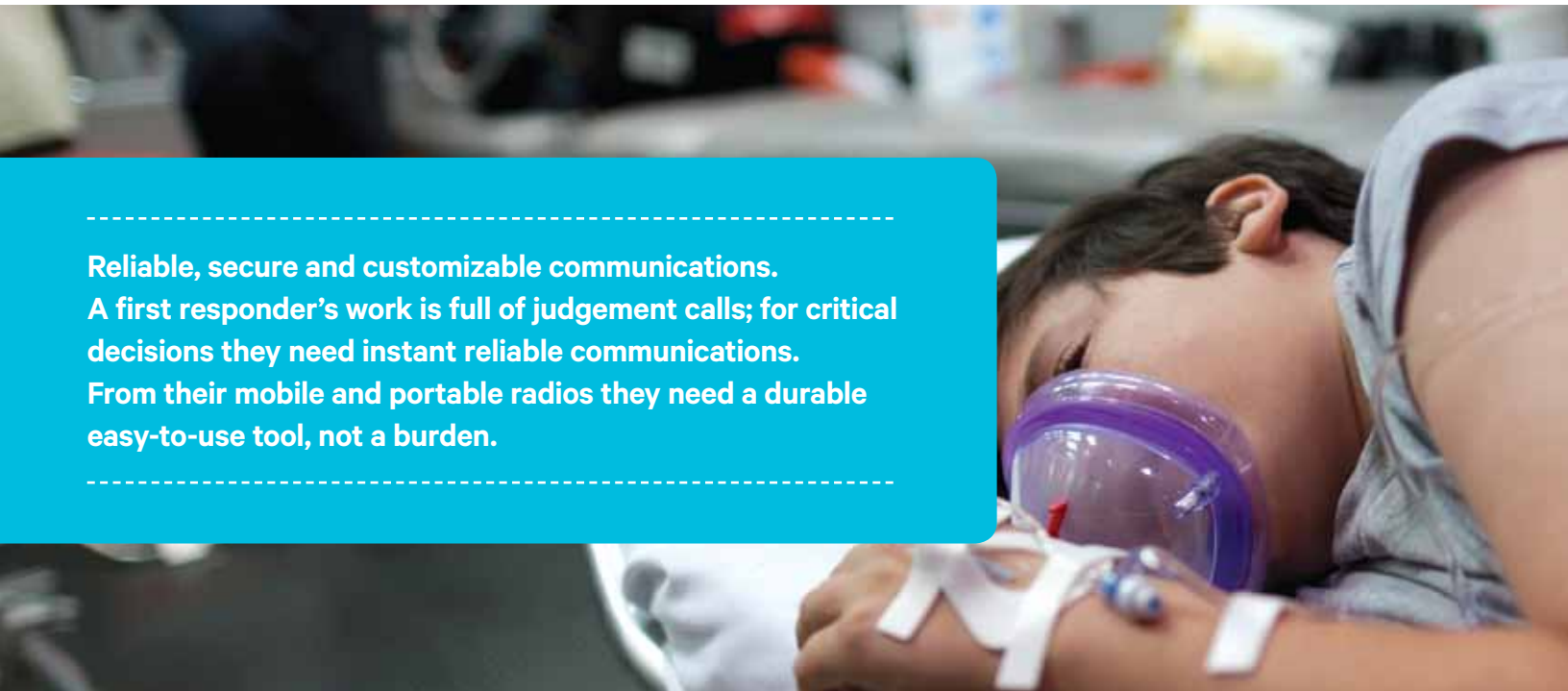


TM9100 TP9100

tait
communications

P25 Solutions for Public Safety





Reliable, secure and customizable communications.
A first responder's work is full of judgement calls; for critical decisions they need instant reliable communications.
From their mobile and portable radios they need a durable easy-to-use tool, not a burden.

Designed for Public Safety

First responders need their radios in order to assess the situation with more insight, make decisions with more certainty and relay progress with more clarity. Tait TM9155 and TP9155/TP9160 radios, mobiles and portables have been designed with the specific needs of Public Safety users in mind.

Working with other manufacturers

With an industry-recognized P25 Compliance Assessment Program (CAP) lab in Houston, and being a core member of the Inter RF Subsystem Interface (ISSI) standard group, Tait is committed to offering interoperable solutions that work seamlessly with radios and infrastructure of other manufacturers.

True openness means value

Open standards secure value through multi-vendor procurement and give buyers confidence to purchase radios that will work with those of other manufacturers.

Interoperable for effective teamwork

Officers can roam between networks, communicate in analog mode and talk groups. Tait produces radios in 700/800MHz, UHF or VHF bands.

More choice to extend your solution

Comprehensive options include a wide choice of accessories, location services, configurations and equipment for tactical operations or emergency response.

Tailored to the user

Tait radios can be tailored to the needs of the organization, the type of work being carried out and even the specific users. Colored radio bodies enable easy distinction between radios of different bands, customized lenses can include an organization's logo for quick identification and the on-screen text can be displayed in different languages for multi-lingual environments.

“The flexibility of having the Tait products customized and the ability to work with different component providers was a major selling point for us.

The cutover to the new system was seamless and the exceptional clarity and coverage far exceeds our original expectations. Tait management and staff showed tremendous care and interest throughout our process.”

Dan Murphy

Retired Deputy Chief,
Kingston Police, Ontario, Canada



Advanced encryption AES or DES

FIPS 140-2 certified encryption delivered by fast in-field or Over-the-air Rekeying (OTAR) brings total security and operational flexibility, so the right people take the right calls.

Empowered mobile teams

Tait P25 radios are engineered to be easy-to-use. The TM9155 mobile and TP9155/60 portables share the same interface so if you can operate one, you can operate both.

Tough radios for tough users

Superb industrial design and quality of manufacture means these radios are built to take the knocks. During the design stage, Tait tests to the most demanding MIL-STD-810F schedule, going beyond standard drop tests and using the same dropped radio for water ingress tests.

The right fit for your network

In addition to flexible software and customizable hardware options, Tait radios can be used on conventional, trunked and simulcast networks.

Advanced audio processing for clear communications

Even in the loudest environments Tait P25 radios transmit crystal-clear audio with virtually no distortion. The investment of four decades of radio engineering expertise delivers improved audio clarity and exceptional performance for accurate communications.

“Tait won the contract for Police’s new radio network by proving that they had the right people, technical expertise and reliable equipment to provide the full solution.

We are now working together as partners to ensure emergency services get the best possible radio technology to support their work.”

Murray Mitchell

Police ICT Manager,
New Zealand Police



Modern Public Safety organizations are always ready to respond. Because Tait makes it easier to programme radios, manage call groups and reconfigure networks, agencies can focus on getting the job done.

Secure encryption for safer staff

Because the TP9155/60 and TM9155 are engineered for Public Safety, DES and AES encryption can be deployed through the direct connect Key Fill Device (KFD) or over-the-air (OTAR) for fleet-wide efficient rekeying with a Key Management Facility (KMF).

Secure radios for state-wide networks

With the Simplified System Key feature, Tait portables and mobiles can be remotely managed by network administrators. This feature prevents 'unregistered' radios from being added to the network without prior consent.

Secure build for front line knocks

Rubber armor knobs and base, recessed lens, strong metal-hinged belt clip and unique secure battery retention deliver one tough portable radio. Advanced thermal aging tests, MIL-STD-810F test schedules and independent laboratories' verification, ensure Tait radios deserve the 'Tait Tough' reputation.

Intelligent fleet management

Built-in GPS intelligence enables Tait P25 radios to be used for managing fleets of vehicles and tracking personnel. Tait GPS display can show latitude and longitude coordinates on a mobile screen, ideal for off-road or incident location.

Intelligent scanning

For conventional users, editable scanning allows the number of scanned channels to be edited to reduce scanning time, while for trunked users, talk group scanning ensures users can listen to preferred talk groups.

Intelligent power management

Programmable power settings and intelligent batteries result in radios which officers can depend on throughout their shift. Tait radio displays are engineered to give a more meaningful indicator (energy available to run the radio) instead of a voltage meter.

Smart tri-chemistry chargers and battery technology ensure that the appropriate charge is delivered automatically.

“The install went smoothly and effortlessly and the outstanding coverage, especially along the border, has far exceeded our expectations.

To say that we are extremely impressed with the effectiveness and success of the Tait system is an understatement.”

Pablo Duarte

Communications Engineer,
Cochise County Information Technologies,
Arizona



Flexible interfaces for customization

The unique Tait Application Programming Interface (API) provides the power to integrate Tait P25 radios into other systems, when enabled.

Flexible hardware for ease of install

Choose from remote boot mount, dash mount or use hand-held control heads for discreet glove compartment storage. Hands-free kits with visor-mounted microphones and gear shift PTTs complete an ideal surveillance option.

Flexible software for ease of upgrade

Software licenses mean Tait radios can be readily extended as needs change, removing the hassle of hardware upgrades and allowing you to purchase and load necessary functionality when you need it.

Flexible installation for convenience

Remote cabling of up to approximately 1km allows the TM9155 mobile body and head to be separated to overcome in-building coverage challenges.

With a radio body situated on a building rooftop securing optimum range, you can still make calls from the radio head located in the office.

Advanced menu system for ease of use

Menu functions are identical across Tait P25 portables, mobiles and hand-held control heads (HHCH). This means any user familiar with the operation of Tait portables can easily operate Tait mobiles or HHCHs.

Advanced diagnostics to assure coverage

Diagnostic tools including Received Signal Strength (RSSI) and Quality of Service (QoS) can be used to assess and display the quality of coverage a radio is receiving without taking a channel out of service.

“We also need the radios to be user-friendly, and Tait radios meet this criteria. People want to be able to use the equipment with the touch of a button. They don’t want to have to read long manuals. Police officers don’t have time to become radio specialists; they’re radio users.”

Joilton Chaves

Chief of Telecommunications,
Sao Paulo Civil Police, Brazil

Tait is solely focused on radio communications and specializes in the unique needs of Public Safety agencies. Tait continues to stand shoulder-to-shoulder with our Public Safety customers, ultimately resulting in safer citizens, empowered officers and greater community trust.



TP9100 portable radios



TM9155 mobile radio

Investment is staged with phased transitions

Phase in your radio upgrade to meet funding and regulatory requirements. In addition, the costs of upgrading to P25 can be staged and training can be planned, knowing that analog and digital technologies will work in unison.

Investment in versatile network options

Tait P25 radios can operate on P25 conventional and trunking systems (both simulcast and multicast networks), while maintaining backwards compatibility.

To meet the agency's coverage and capacity needs, Tait radios fit right in to the network that suits.

Investment in experience

With more than 40 years experience, Tait staff have a history of commitment to radio communications. Decades of network and product design, installation, training and support expertise is available to ensure your best outcome.

Investment alternative with interoperability leader

With a P25 CAP testing laboratory recognized by the Department of Homeland Security, Tait continues to work with other manufacturers so taxpayers ultimately secure better value.

The Tait P25 digital range of interoperable portables, mobiles and accessories offer the flexibility of working in digital or analog mode and with other manufacturers' radios and networks.

Investment for the future

Rest assured, a total P25 solution from Tait will be supported into the future thanks to the unique 'Trust' structure established by the company founder Sir Angus Tait. His pledge to continuously invest in the company's research and development ensures Tait will be at the cutting edge of radio technology while offering long-term certainty for organizations partnering with Tait.

TAIT P25 PORTABLE AND MOBILE FEATURE COMPARISON

The Tait P25 9100 series is specifically designed to meet the needs of Public Safety users.

With FIPS validated encryption, certified P25 interoperability, digital audio clarity and superb build quality, the TP9155/TP9160 and TM9155 are tough, dependable and sophisticated radios.

The TP9135/40 and TM9135 radios provide affordable and reliable digital communications for Public Safety users who need exceptional audio clarity without provision for all possible features or configurations.

TRUNKED AND CONVENTIONAL DIGITAL RADIOS FOR PUBLIC SAFETY						
PRODUCT	TP9155	TP9160	TM9155	TP9135	TP9140	TM9135
Lens colour	PLATINUM	PLATINUM	PLATINUM	CHARCOAL	CHARCOAL	CHARCOAL
1,000 channels	•	•	•	•	•	•
P25 conventional	•	•	•	•	•	•
P25 trunked	•	•	•	•	•	•
P25 simulcast	•	•	•	•	•	•
VHF	•	•	•	•	•	•
UHF	•	•	•	•	•	•
700/800MHz	•	•	•	•	•	•
MIL-STD-810C,D,E and F	•	•	•	•	•	•
P25 Common Air Interface (CAI)	•	•	•	•	•	•
GPS transmission	▲	▲	•	▲	▲	•
Two tone decode	•	•	•	•	•	•
MDC 1200	•	•	•	•	•	•
Intra-system roaming	•	•	•	•	•	•
Supports analog	•	•	•	•	•	•
Simplified System Key	•	•	•	•	•	•
Customized lens design	•	•	•	•	•	•
Administration services	•	•	•	✗	✗	✗
AES encryption	•	•	•	✗	✗	✗
DES encryption	•	•	•	✗	✗	✗
FIPS 140-2 certified	•	•	•	✗	✗	✗
OTAR capability	•	•	•	✗	✗	✗
P25 Tait Application Programming Interface (API)	•	•	•	✗	✗	•
Intrinsically Safe (IS) option	•	•	N/A	✗	✗	N/A
Lithium-ion battery option	•	•	N/A	•	•	N/A
Portable keypad	4	16	N/A	4	16	N/A
Vehicle charger option	•	•	N/A	•	•	N/A
Dual head configuration	N/A	N/A	•	N/A	N/A	✗
Hand-held control head (HHCH)	N/A	N/A	•	N/A	N/A	•
110W option	N/A	N/A	•	N/A	N/A	•
Man Down	•	•	N/A	•	•	N/A
Lone Worker	•	•	✗	•	•	✗

Key

• Feature available ▲ Contact Tait for availability ✗ Feature not available N/A Not applicable



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