

KEEP BUSINESS MOVING FORWARD



TAIT DMR TIER 2
PORTFOLIO OVERVIEW &
PRODUCT SELECTION GUIDE

TAIT DMR TIER 2

Digital communications solutions based on open standards to help businesses thrive with safer, more agile, and productive teams.





Tait Open2

IDEAL FOR:

- » Private security and facilities management
- » Hospitality and tourism
(e.g. hotels, events, attractions)
- » Manufacturing, logistics and transportation
- » Schools and universities

Designed for small and medium-sized operations, Tait Open2 delivers essential team communications in a simple, affordable DMR Tier 2 solution.

With loud, clear audio and user-friendly devices, Tait Open2 solutions are easy to deploy, use and manage, helping teams stay connected without unnecessary complexity.



Tait Open2 portables, Tait Open2 mobile, Tait Open2 base station

Tait OpenPeak

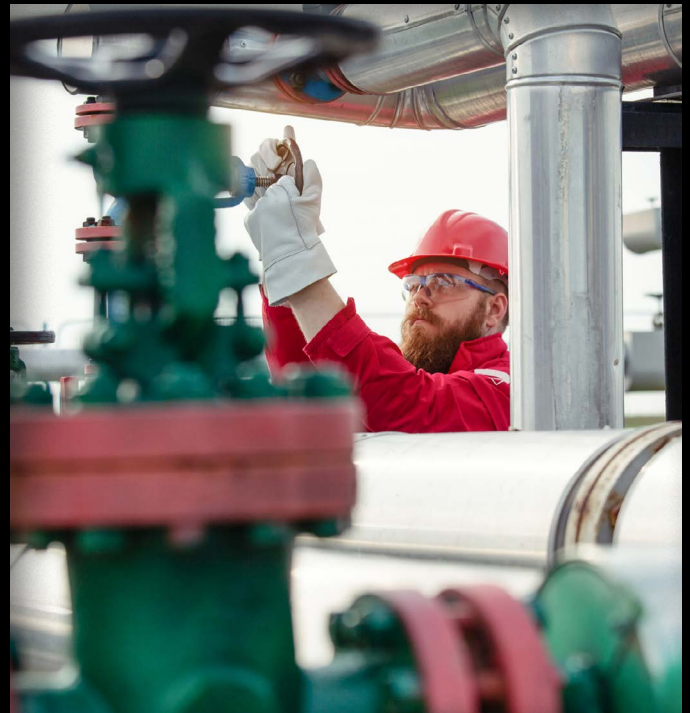
IDEAL FOR:

- » Utilities
- » Mining, oil & gas
- » Large business operations
- » Transportation systems
- » Public safety organizations

Tait OpenPeak is an advanced, full-featured DMR solution that supports both Tier 2 and Tier 3, built on Tait's long-standing expertise in critical communications. Trusted by industries such as utilities, mining, oil & gas, and public safety, Tait OpenPeak delivers the performance and reliability demanded in mission-critical environments.

This extremely robust equipment can be deployed for basic communications or with advanced features such as Tait GeoFencing Automated Workflows, Over The Air Programming, simulcast operation and is upgradeable to DMR Tier 3 trunking to add more capacity to your system.

Tait OpenPeak can also be customized to suit your unique requirements with Tait Client Specific Development capabilities.



TP9000 portables, TM9000 mobiles, TB7300 and TB9400 base stations

TAIT DMR TIER 2 PORTABLE RADIOS

TAIT OPEN2 ▲▲▲

With loud, clear audio and instant push-to-talk connection, Tait Open2 portables are a great choice for teams looking to streamline their communications with reliable two-way radios.

The TO2-P10 is the most affordable option for teams needing essential functionality in a high-quality DMR Tier 2 device. For those who would appreciate a color screen and keypad, the TO2-P55 provides additional functionality with built-in Bluetooth® and GPS.

Whether you need simple radio-to-radio communication or extended coverage through a base station, Tait Open2 portables are built to perform.

Get all the details and specs about the [Tait Open2 portables](#) online.



TO2-P10



TO2-P55

TP9000 SERIES ▲▲▲

Their robust construction, superior functionality and active noise cancellation make the TP9000 series the go-to radios for challenging work environments.

Standard features include Bluetooth®, Location Services, lone worker and man down operation, with optional Tait GeoFencing Automated Workflows. Wi-Fi OTAP is available for some models.

The TP9700 is the first professional DMR multiband radio able to operate in VHF, UHF, 7/800MHz and 900MHz.

Intrinsically Safe options are available for use in hazardous environments. Compliant with global safety standards, these radios are designed to prevent ignition of flammable atmospheres, ensuring safe, reliable operation in areas where explosive gases may be present.

Get all the details and specs about the [TP9000 portables](#) online.



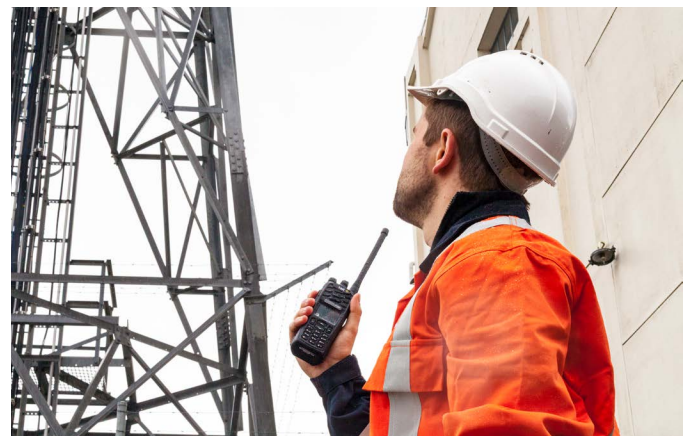
TP9300



TP9500



TP9700



TAIT DMR TIER 2 PORTABLE RADIO SELECTION GUIDE

Tait Open2

Tait OpenPeak

Feature	TO2-P10	TO2-P55	TP9300	TP9500	TP9700
User Interface	No display, no keypad	•	▲		
	Display with navigation keys		▲	▲	▲
	Display with full keypad		▲	▲	▲
	Display type		Mono	Color	Color
	Color options	• ¹	•	•	•
	Programmable buttons	2	4	4	4
	Voice annunciation	•	•	•	•
	Weight	340 g	325 g	333 g	382 g
Accessories	Audio connector	Tait Open2 and TP9000 portables share the same Tait Connector			
	Bluetooth®		•	•	•
	Battery and charger	Tait Open2	TP9000	TP9000	TP9000
Audio	Speaker output	1 W	2 W	3 W	3 W
	Vocoder and digital noise suppression	•	•	•	•
	Active noise cancellation			•	•
Frequency bands²	136-174 MHz	5 W	5 W	5 W	5 W ^{3,4}
	174-225 MHz		5 W		
	378-470 MHz ⁵		4 W	4 W	4 W ^{3,4}
	400-470 MHz ⁵		4 W	4 W	4 W ^{3,4}
	400-480 MHz ⁵	4 W			
	450-520 MHz ⁵		4 W	4 W	4 W ³
	7/800 MHz		3 W	3 W	3 W ³
	900 MHz				3 W ³
Channels	Multiband				▲
	Number of channels	256	256	4000 ⁶	4000
	Scan	•	•	•	•
	Voting			•	•
Safety and security	Lone worker	•	•	•	•
	Man down			•	•
	Location services		•	•	•
	Tait GeoFencing		▲	▲	▲
	Fast polling (USB), 2000 polls/minute		▲	▲	▲
	Encryption options	ARC4	ARC4	ARC4, DES, AES	ARC4, DES, AES
	DMR Tier 3 trunking		▲	▲	▲
Durability	Dust/water Ingress Protection	IP68	IP68	IP68/65	IP68/65
	MIL-STD certification	MIL-STD-810H	MIL-STD-810H	MIL-STD-810G	MIL-STD-810H
	Intrinsically Safe option			▲ ⁷	▲ ⁸
Fleet management	WiFi OTAP ⁹			•	•
	OTAP via DMR Tier 3 network ⁹		▲	▲	▲
	Tait EnableFleet	▲ ¹⁰	▲ ¹⁰	▲	▲

Legend

- Standard feature
- ▲ Optional feature
- Blank: Not applicable

- Using colored antenna rings.
- The TP2210 portable radio is available with support for the 300–400 MHz frequency band.
- Radio can be configured to operate on any combination of the supported bands.
- For US, VHF can be 6 W and UHF can be 5 W.
- UHF band radios are approved for Citizen Band use in Australia and New Zealand when programmed to AS/NZS4365. Tait cannot guarantee full published performance at CB frequencies.

- 48 channels for TP9310; 4000 channels for TP9355 and TP9360.
- IECEX IIA and IIC available internationally; Division 1 available in USA and Canada.
- Division 1 for USA and Canada.
- OTAP requires Tait EnableFleet.
- Wired.

TAIT DMR TIER 2 MOBILE RADIOS

TAIT OPEN2 ▲▲▲

Designed for vehicle use, Tait Open2 mobile radios (TO2-M55) deliver loud, clear audio and instant push-to-talk connection to help teams stay reliably connected on the move.

With a color display and user-friendly controls, the Tait Open2 mobile is ideal for teams needing essential functionality in a high-quality DMR Tier 2 device.

Get all the details and specs about the [Tait Open2 mobile](#) online.



TO2-M55

TM9000 SERIES ▲▲▲

The TM9000 mobiles offer an extensive range of user interface and installation options, including basic and color displays, color housing options, keypad options, handheld control heads and remote mount kits for easier installation.

On top of standard lone worker functionality, TM9000 mobiles offer a wide range of hardware and software options including Location Services, Tait GeoFencing Automated Workflows, Wi-Fi OTAP and Bluetooth®.

Both the TM9300 and TM9700 models support multiple modes of operation including DMR Tier 2 conventional, DMR Tier 3 trunking, MPT 1327 and conventional FM.

The TM9300 is a high-performing, flexible and robust mobile radio that delivers high-quality audio and intuitive operation to users around the world. Supercharge your communications with TAIT AXIOM, available as an upgrade option on the TM9300.

Increase worker safety and productivity across multiple radio networks and frequency bands with the TM9700 Multiband Mobile. This highly versatile radio is designed to adapt to a wide variety of operational requirements and supports 25 W operation in the 136-174 MHz and 378-520 MHz bands.

Get all the details and specs about the [TM9000 mobiles](#) online.



HHCH with keypad



TM9315 control head



TCH3



TCH4



TCH6



TCH8



TAIT DMR TIER 2 MOBILE RADIO SELECTION GUIDE

Tait Open2

Tait OpenPeak

Feature	TO2-M55	TM9315	TM9355	TM9395	TM9700 ¹
User Interface	Color display screen	•	▲		▲
	Handheld control head		▲		▲
	2-digit display	•			
	Menu navigation keys	•	•		•
	Programmable buttons	2	4	up to 5	up to 5
	Full keypad options (keypad mic, HHCH, TCH6)		▲		▲
	Remote control head		▲		▲
	Control head options (TCH, HHCH)		▲		▲
	Dual control head		▲ (TM9357)		▲
	Voice annunciation	•	•	•	•
	Bluetooth ⁶		▲		
Audio	Internal speaker output	5 W	3 W ⁷	3 W / 4 W ⁷	3 W / 4 W ⁷
	External speaker output	10 W	10 W ⁸ / 15 W	10 W ⁸ / 15 W	10 W ⁸ / 15 W
	Vocoder and digital noise suppression	•	•	•	•
Frequency bands	136–174 MHz	25 W ² / 50 W	25 W / 50 W	25 W / 50 W	25 W
	174–225 MHz		25 W	25 W	
	378–470 MHz ^{3,4}		40 W	40 W	25 W
	400–480 MHz ⁴	25 W ² / 40 W			
	450–520 MHz ⁴		25 W / 40 W	25 W / 40 W	25 W
	757–870 MHz ⁵		35 W	35 W	
	Dual band (dual torso)		▲ (TM9356)		
Channels	Multiband (single torso)				▲
	Number of channels	1024	100	4000	4000
	Scan	•	•	•	•
Safety and security	Voting	•	•	•	•
	Lone worker	•	•	•	•
	Location services ⁹	▲	▲	▲	▲
	Tait GeoFencing ⁹		▲	▲	▲
	Fast polling (USBD), 2000 polls/minute ⁹		▲	▲	▲
	Encryption options	ARC4	ARC4, DES, AES	ARC4, DES, AES	ARC4, DES, AES
	DMR Tier 3 trunking		▲	▲	▲
Fleet management	WiFi OTAP ^{6,10}		▲		
	OTAP via DMR Tier 3 network ¹⁰		▲	▲	▲
	Tait EnableFleet	▲ ¹¹	▲	▲	▲

Legend

- Standard feature
- ▲ Optional feature
- Blank: Not applicable

1. TM9700 only for Australia and New Zealand.
2. 25 W models of the TO2-M55 are only available in Europe, Australia and New Zealand.
3. HK 378-470 MHz hardware supersedes the H5 400-470 MHz hardware previously available.
4. UHF band radios are approved for Citizen Band use in Australia and New Zealand when programmed to AS/NZS4365. Tait cannot guarantee full published performance at CB frequencies.
5. FCC and IC approved; ETSI approval not available.

6. Requires Tait Unified Vehicle / TMX450.
7. Internal speaker available for TM9300 and TM9700 fitted with TCH3 (4 W) or TCH4 (4 W). Not available with TCH6 or HHCH.
8. Standard for HHCH and TCH6 packages. Optional for TCH3, TCH4, TM9315 and TM9395.
9. Requires GNSS receiver to be fitted.
10. OTAP requires Tait EnableFleet.
11. Wired

TAIT DMR TIER 2 BASE STATIONS

TAIT OPEN2 ▲▲▲

Tait Open2 base stations (TO2-B50) offer a cost-effective way to expand radio coverage, keeping teams connected and safe across your operation.

With support for High Availability, they deliver resilient operations while providing essential functionality in a high-quality DMR Tier 2 solution.

Get all the details and specs about the [Tait Open2 base station](#) online.



TO2-B50

TB7300 & TB9400 ▲▲▲

The Tait TB7300 and TB9400 base stations are renowned for their robust performance and reliability in mission-critical operations.

Industry-leading RF performance delivers better coverage, especially where radio site spectrum is congested with other users.

Both the TB7300 and TB9400 can be used in simulcast networks to provide wide area all informed coverage with maximum spectrum efficiency.

The TB9400 is particularly noted for its flexibility, while the TB7300 is praised for its compact design and cost-effectiveness, making them indispensable assets in modern communication networks.

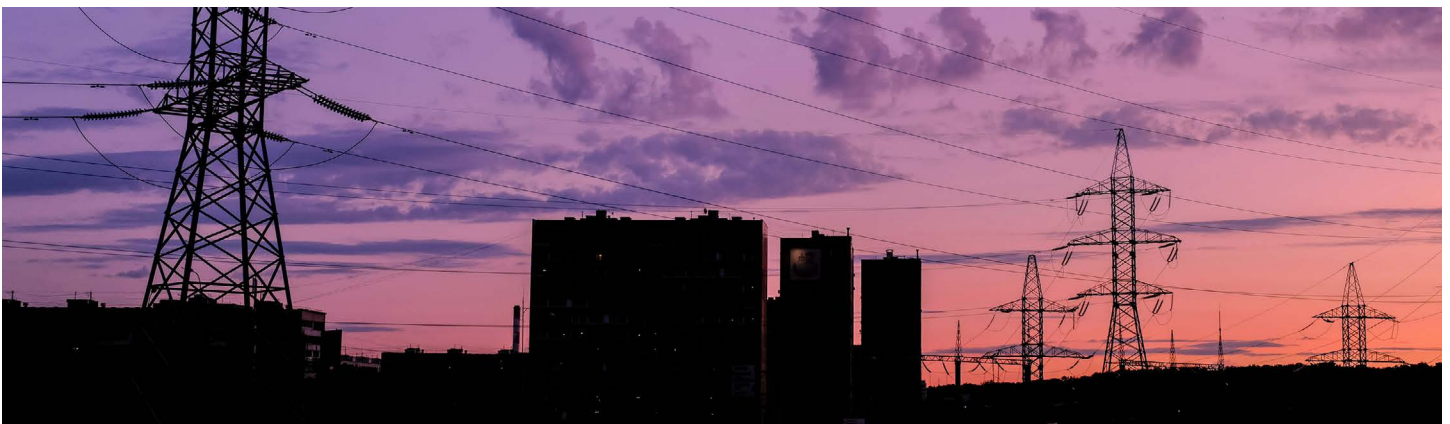
Get all the details and specs about the [TB7300 and TB9400 base stations](#) online.



TB7300



TB9400



TAIT DMR TIER 2 BASE STATION SELECTION GUIDE

Tait Open2

Tait OpenPeak

Feature	TO2-B50	TB7300	TB9400
General parameters	AIS interface	▲	▲
	Audio interface	● ¹	● ¹
	4-wire E&M (Ear and Mouth)	▲ ¹	▲ ¹
	Duty cycle	100% at all power levels	100% at all power levels
	Size	1U	4U (2 x 50 W channels in 4U)
	Number of channels	4000	4000
	Number of receiver and transmitters	1	1 or 2 @ 50 W 1 @ 100 W
	Conventional IP network	▲	▲
	DMR Tier 3 / MPT 1327 capability	▲	▲
	UI	4 LEDs	4 LEDs, 4-row display, 7 keys
	Other interfaces	TCP/IP (RJ45), system interface (DB-25), ext. frequency ref. input	TCP/IP (RJ45), system interface (DB-25), ext. frequency ref. input
	HTTPS secure remote access	●	●
	SNMP	●	●
	In-built diagnostics / alarm monitoring	●	●
	In-built spectrum analyzer	●	●
	Task Builder	▲	▲
	Multimode DMR or P25	●	●
	RX only base station		● ²
	Simulcast	▲	▲
	Built-in voter	▲	▲
Frequency bands	136–174 MHz	50 W	50 W / 100 W
	378–420 MHz		50 W / 100 W
	400–440 MHz		50 W / 100 W
	400–470 MHz	40 W	
	440–480 MHz		50 W / 100 W
	470–520 MHz	40 W	50 W / 100 W
	762–870 MHz		50 W / 100 W
Power consumption	Standby current drain & power supply options	0.83 A, 11.5 W @ 13.8 V DC 0.2 A, 20 W @ 120/230 V AC	0.83 A, 11.5 W @ 13.8 V DC 0.2 A, 20 W @ 120/230 V AC
			Single: 0.37 A, 30 W @ 120 VAC Dual: 0.49 A, 50 W @ 120 VAC Single: 0.51 A, 31 W @ 230 VAC Dual: 0.51 A, 45 W @ 230 VAC Single: 2.0 A, 24 W @ 12 VDC ³ Dual: 3.3 A, 39 W @ 12 VDC ³
Radio frequency performance	Analog sensitivity (12 dB SINAD)	≤119 dBm (0.25 µV)	≤119 dBm (0.25 µV)
	DMR sensitivity	≤120 dBm @ 5% BER	≤120 dBm @ 5% BER
	Selectivity (12.5 kHz)	≥82 dB (VHF) ≥79 dB (UHF)	≥82 dB @ 1% BER (VHF/UHF) ≥79 dB (UHF)

Legend

- Standard feature
- ▲ Optional feature
- Blank: Not applicable

1. In analogue mode only.
2. Up to four receivers.
3. 24 VDC and 48 VDC options available.

TAIT DMR TIER 2 APPLICATIONS

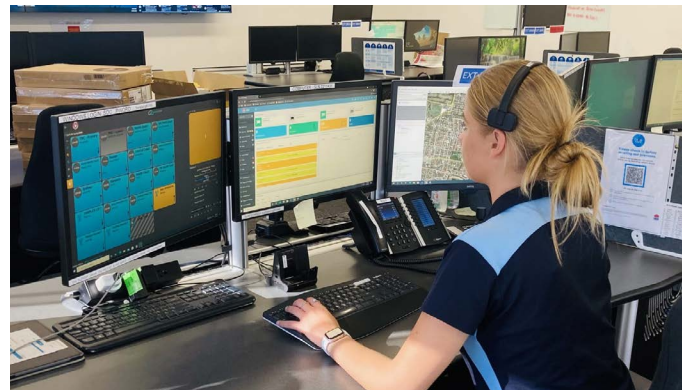
TAIT GEOFENCING FOR WORKFLOW AUTOMATION

Tait GeoFencing uses virtual boundaries to automate radio functions based on location. Radios can automatically switch talk groups or alert users when entering or leaving designated areas, improving operational efficiency, enhancing safety, and reducing the need for manual intervention. This capability is programmed directly into the radio and does not require a network connection or central location software application.



DISPATCH CONSOLES AND LOCATION APPLICATIONS

Radio dispatchers provide real-time communication and coordination, managing the flow of information to help organizations deploy resources effectively, reduce response times, and maintain clear communication channels during critical operations. Modern dispatch solutions can also integrate features such as location tracking and data analytics to further improve situational awareness and operational efficiency.

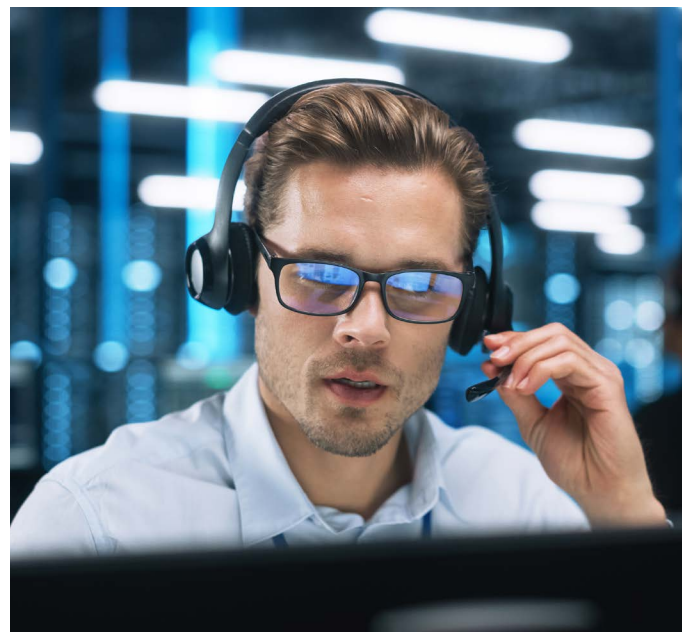


TAIT SERVICES

Tait works with our dealers to deliver a range of services that ensure availability and performance of communications networks. Professional services include network coverage, consulting and design, while implementation and project services are available to smoothly deploy your systems.

Support services such as remote monitoring, extended warranties, technical support, health checks and repairs further assist in ensuring your DMR Tier 2 network remains available and optimized, while training services help to quickly upskill and empower your teams.

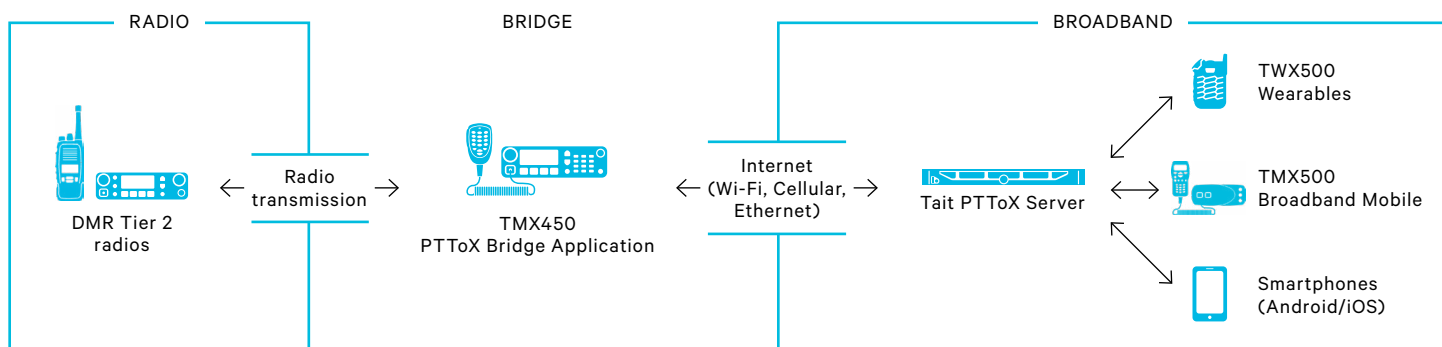
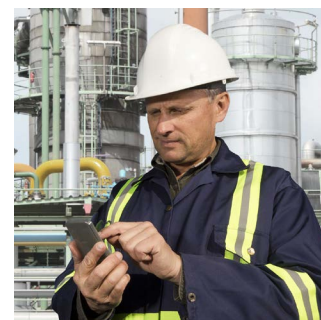
We will work with you to design the right solution for your needs and budget, backed by industry knowledge and local expertise your team can rely on.



TAIT DMR TIER 2 BROADBAND SOLUTIONS

Take advantage of cellular and Wi-Fi network coverage and devices, expanding your coverage beyond the radio network and enabling anyone with a smart device to communicate with radio users.

Tait OpenPeak integrates effectively with broadband solutions, with the Tait PTTToX service for smart devices and the range of TAIT AXIOM ruggedized wearable and vehicle based broadband devices.



TAIT VIDEO SOLUTIONS

Tait Video Solutions are currently offered in Asia Pacific and Europe.

Tait Video Solutions offer secure, open and affordable body-worn cameras and digital evidence management systems. They enhance frontline safety and operational accountability with rugged cameras and flexible evidence solutions that integrate with existing computer-aided dispatch (CAD), records management (RMS) and video management systems (VMS).



WE GO BEYOND FOR A SAFER WORLD.

**CONTACT YOUR LOCAL DEALER
FOR MORE INFORMATION
[TAITCOMMUNICATIONS.COM/CONTACT](https://www.taitcommunications.com/contact)**

Tait has taken every care in compiling this brochure, but we're always innovating and therefore changes to our models, designs, technical specifications, visuals and other information included in this brochure could occur. For the most up-to-date information and for a copy of our terms and conditions please visit our website.

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Quality
Management
ISO 9001



Environment
Management
ISO 14001:2015



Occupational
Health & Safety
Management
ISO 45001:2018

 Tait Communications



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