

OPEN ECOSYSTEMS & CONVERSATIONS



Tait OpenDMR


Exceptionally reliable and backed by decades of proven experience, Tait DMR Tier 3 solutions are highly flexible and scalable with a range of capabilities to suit any size of organization.

tait
communications



KEEPING YOU SAFE AND ON-MISSION

Unleash your team's potential with fit-for-purpose, critical communications solutions from Tait.



For more than 50 years, Tait Communications has been designing, delivering and supporting critical communications networks for public safety, transportation and utility customers around the world.

Tait Communications helps teams stay safe and on mission when the pressure is on. From comprehensive radio networks with advanced data capabilities to support and managed services, you can trust Tait. Designed and manufactured at our global headquarters in Christchurch, New Zealand, we put team safety at the top of our agenda day in, day out.

We believe we can make the world a safer, better and more efficient place and we're always looking for new ways to improve the lives of our customers and the communities they serve. This is a testament to our commitment to innovating within open standards, providing unmatched interoperability and better safety outcomes.

Tait solutions are customizable, versatile, flexible and built for every challenge. We uphold the principles of our founder, Sir Angus Tait:

**“ IF IT CAN SAVE
A LIFE, MAKE IT
TOUGH ENOUGH
TO SURVIVE
ANYTHING.”**

Tait DMR Tier 3 solutions are scalable and reliable at providing effective communications for organizations of all sizes, featuring a range of capabilities from entry level to advanced, including broadband integration.

WHY CHOOSE DMR OPEN STANDARD SOLUTIONS?

Digital Mobile Radio (DMR) is an open standard that enables a multivendor ecosystem of compatible equipment and applications.

Freedom of Choice, Value for Money

Over many years Tait has earned a reputation for genuine commitment to standards-based solutions for the benefit of our customers. Open standards protect your freedom to choose the vendors devices and applications that best meet your needs, delivering value for money from competitive procurement and throughout the life of your investment.

DMR Tier 2 and Tier 3 Standards

Tait provides a range of solutions for the two professional tiers defined by the DMR standards:

- Tier 2 Conventional
- Tier 3 Trunking

In DMR Tier 2 Conventional systems, radio users must know which channel they need, manually select it and wait if the channel is busy.

In DMR Tier 3 Trunked systems, users are automatically assigned the first available channel, which is ideal for busy networks with multiple work groups. DMR Tier 3 systems also enable a range of advanced functionality to effectively manage sophisticated voice and data features.

WHY CHOOSE TAIT OPENDMR?

Proven Experience

Tait has decades of experience in critical communications and trunked systems, serving customers all around the world:

- Airports and city transportation systems such as Brisbane Airport in Australia and Transport for London in the United Kingdom
- Electricity, Water & Gas Utilities such as Alliant Energy in the United States, EVN Bulgaria and Gippsland Water in Australia
- Mining, Oil and Gas operations, such as Boddington gold mine in Australia and Zinkgruvan in Sweden
- Public Safety Agencies such as Junta de Andalucia in Spain

Tait has been designing, deploying and supporting complete, integrated DMR Tier 3 solutions since 2012 and continues to innovate to deliver more for our customers.

Highly Flexible, Maximum Reliability

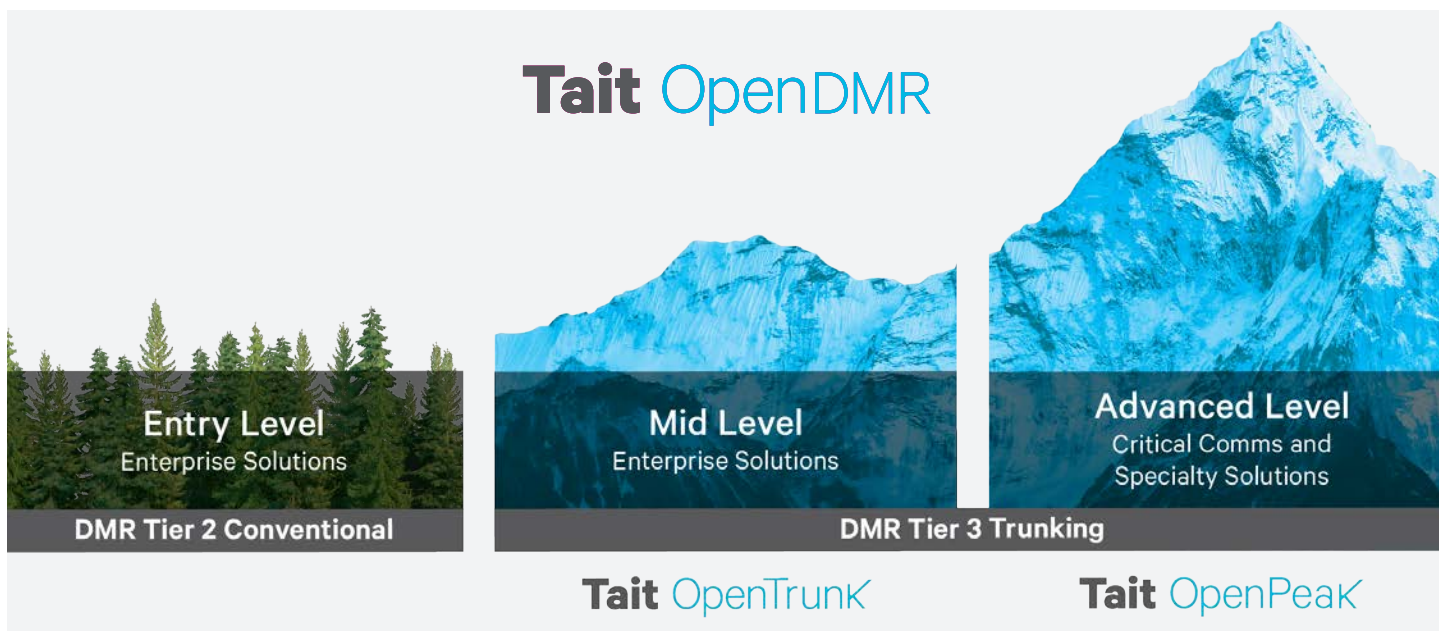
Tait Tough devices and High Availability networks are built to last. Tait solutions are highly flexible, tailored to suit your needs and designed to evolve as your operation grows and changes over time.

Broadband Integration

Your Tait critical communications solution can be expanded with a range of broadband capabilities, integrating cellular and Wi-Fi network coverage and devices with your Tait solution.

WHAT IS TAIT OPENDMR?

Tait OpenDMR is the overarching brand representing the complete Tait portfolio of digital mobile radio (DMR) solutions.



Tait OpenTrunk

Systems supporting 1-16 sites

Tait OpenTrunk provides the enhanced capabilities of DMR Tier 3 trunking in a simple, affordable solution for small and medium sized organizations. It is scalable to deliver the capacity and coverage where it is needed for smooth, effective operations. This solution supports shared channel operation – ideal for organizations that lack access to exclusive frequencies – as well as dedicated channel operation.

Tait OpenTrunk solutions provide effective communications for a range of industries including Hospitality, Retail, Manufacturing, Logistics, Transportation, Schools, Universities, Sports, Tourism and Event Management.

Tait OpenTrunk systems are upgradable to Tait OpenPeak if more advanced capabilities are required.

Tait OpenPeak

Systems supporting 1-250 sites

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

Tait OpenPeak solutions can support simulcast operation for maximum spectrum efficiency and integrate SCADA systems.

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

TAIT AXIOM 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 Services

From professional services, consulting and design, implementation services to deploy and optimize your systems, 24/7 support services for technical assistance and network monitoring, and training services for upskilling and empowering your teams, Tait services provide all the capabilities you need to be successful and ready for action whenever needed.

Tait Services allow your team to focus on their primary mission, feeling competent and confident they can always rely on their critical communications network.

PARTNERS

OPEN ECOSYSTEM FOR COMPLETE SOLUTIONS

FEATURES	Tait OpenTrunk		Tait OpenPeak
	Base Station Node	Server Node	Server Node
RF channel capacity	9	48	1000
Site capacity	3	16	250
Node capacity	1 + 1 High Availability	1 + 1 High Availability	20
Base station node	Yes	No	No
Remote log in on base station	Yes	Yes	Yes
Access to node records	Yes	Yes	Yes
Statistic records	Yes	Yes	Yes
DMR Tier 3 control channel	Yes	Yes	Yes
Fleet Management	Yes, single fleet	Yes, single fleet	Yes
Shared channel support	Future release	Future release	No
TSCC hibernation	Future release	Future release	No
TSCC rotation	Future release	Future release	No
High Availability (redundant node)	Yes	Yes	Yes
Talk-groups	Yes	Yes	Yes
Caller ID	Yes	Yes	Yes
Emergency call pre-emption	Yes	Yes	Yes
Simulcast	No	No	Yes
Subscriber roaming	Yes	Yes	Yes
Four access priority levels	Yes	Yes	Yes

FEATURES	Tait OpenTrunk		Tait OpenPeak
	Base Station Node	Server Node	Server Node
Terminal authentication	Yes	Yes	Yes
Device registration & authentication	Yes	Yes	Yes
Registration based group calls	Yes	Yes	Yes
Essential site assignment	No	No	Yes
Stun (selective radio inhibit)	Yes	Yes	Yes
Call queuing	Yes	Yes	Yes
Dynamic re-grouping	Yes	Yes	Yes
Location services	Yes	Yes	Yes
Location services – fast polling	No	Yes (not on shared channel)	Yes
Console connection	Yes	Yes	Yes
Open Standard Application Interface	AIS, SIP	AIS, SIP, G.711	AIS, SIP, G.711
Further Application Interfaces	DIP (Future release)	DIP (Future release)	DIP
OTAP support	Yes	Yes	Yes
Terminal to Terminal Encryption	Yes	Yes	Yes
Audio De/Encryption support on node	No	ARC4, DES	ARC4, DES, AES
Voice Recording	No	Future release	Yes
Monitoring API	Yes	Yes	Yes
Temporary traffic mode	Yes	Yes	Yes
CALL OPTIONS			
Emergency calls	Yes	Yes	Yes
Broadcast calls	Yes	Yes	Yes
Priority calls	Yes	Yes	Yes
Divert own call	Yes	Yes	Yes
Status call	Yes	Yes	Yes
Text messaging	Yes	Yes	Yes
Group calls	Yes	Yes	Yes
Individual calls private	Yes	Yes	Yes
Individual calls to PSTN/PABX	No	Yes	Yes

WE GO BEYOND FOR A SAFER WORLD.

**CONTACT YOUR LOCAL DEALER
FOR MORE INFORMATION**
TAITCOMMUNICATIONS.COM/CONTACT

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Quality
Management
ISO 9001



Environment
Management
ISO 14001:2015



Occupational
Health & Safety
Management
ISO 45001:2018

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