



T1541 TaitNet Node

Benefits

- *Very fast setup of wide area and group calls*
- *Intelligent multi-site group calls (minimising network resource and allowing more flexible calling)*
- *End-to-end digital connectivity for greater call clarity, system reliability, and reducing operating costs*
- *Allows for additional new applications including E-mail connectivity for radio users, automatic vehicle location, job despatch and use of the latest mobile applications and products including Palm Pilot™*
- *Totally scaleable, cost effective architecture*



Enhanced New MPT 1327 Wide Area Node

Specifically designed for regional to nationwide coverage, the T1541 TaitNet node offers the highest level of MPT 1327 trunked radio functionality. Systems can be built from 1 to 32 nodes, each node with up to 30 sites, each site with up to 24 channels.

TaitNet system features:

- Unparalleled dependability through distributed call processing, a track record of proven reliability and a range of redundancy options.
- Low risk investment through modular system construction and use of MPT 1327 - the world's most widely used trunked radio open protocol.
- A full range of voice and data call types.
- The ability to meet your specific communications needs through total flexibility and customised networks.
- Mature, stable technology with a commitment from Tait for continued MPT 1327 support and enhancement.





TAIT

Radio Communications

General Specifications

<http://www.taitworld.com/>

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Access Time	Less than 427ms (single site)* Less than 1.5s (inter-site)* *Assumes system/radios are available and no call queuing	Groups per System	232,064
Architecture	Individual plug-in modules	Idents per System	768,000
Billing and Statistics	Call charge records provided with an open standard interface	Network Control	Yes
Call Types	Individual Group - Local, Normal and Intelligent multi-site (registration-based) Broadcast Priority Emergency Status Short data Data on traffic channel PABX PSTN Despatcher Call diversion	Nodes per Network	32
Channel Increments	5.0 kHz 6.25 kHz	Numbering Scheme	MPT 1343 (other options available)
Channel Spacing	12.5 kHz 25 kHz	Pooled Channel Operation	Yes
Channels per Site	Up to 24	Signalling Standard	Non-proprietary MPT1327
ESN Checking	Yes	Selected Site Group Call	Yes
Channel Frequency Ranges	VHF 66-88 MHz 136-174 MHz 220-270 MHz UHF 300-380 MHz 400-520 MHz 800-960 MHz	Single Site Group Call	Yes
Trunking Control	Intelligence on each shelf	System Wide Intelligent, Multi-site Group Call	Yes
Switch Capacity	4 ports per card, expandable to 250 ports	Sites per Node	30
System Maintenance	Dial-up modem diagnostics Module replacement Support centres 24x7 Helpdesk available	Transmitter Power	25, 50W (66-88 MHz) 25, 50, 100W (136-174 MHz) 100W (220-270 MHz) 50W (330-380 MHz) 25, 50, 100W (400-520 MHz) 5W (800-960 MHz) 70W (850-870MHz)

Tait is your complete supplier of radio communications equipment, with mobile, portable and infrastructure solutions. Our experience spans 30 years, covering off-the-shelf and customised products, single-site systems and complete turnkey solutions.

TAIT Electronics Ltd is an ISO 9001 registered supplier. Certificate No.461.



ISO 9001

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