



# T1561 Digital Audio Switch DAS II



## Compact and Cost Effective

**Tait has significantly reduced the cost and space required for a Digital Audio Switch (DAS II) in a multi-site trunked radio system**

DAS II is a high density full duplex, non-blocking digital audio switch which packs more features into one-twelfth of the cabinet space of the previous switch.

Up to 64 analogue or 16 digital E1/T1 ports can now be housed in one 4U, 19" rack bin.

In addition to reducing cost and size, DAS II offers extra value by including 64 conference channels capable of supporting group calls ranging in size from two simultaneous 30-site group calls to 20 simultaneous three-site group calls.

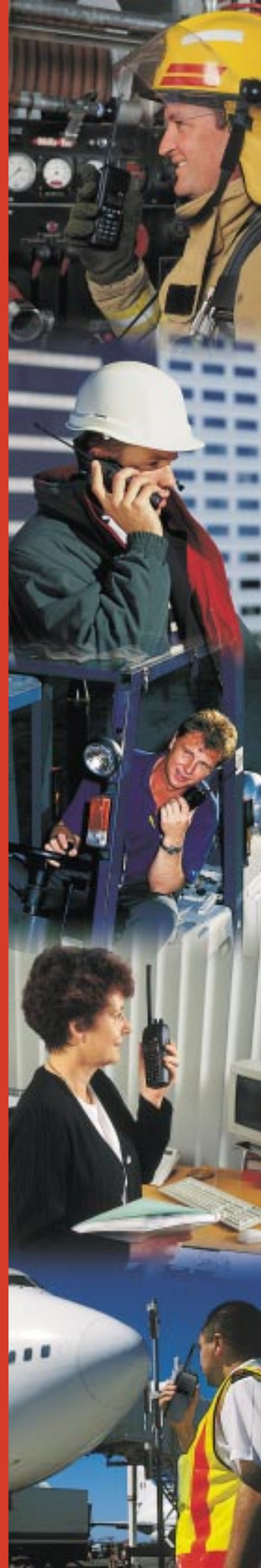
DAS II can provide end-to-end digital circuit based linking for larger systems. This improves voice clarity, increases system reliability and reduces linking costs.

Other DAS II features available include hot plugability of all port cards, and the ability to remotely download software and reconfigure the DAS on the fly without the need to restart the node.\*

**Port interfaces include:**

- Two-wire analogue with DTMF signalling for PSTN/PABX interfaces;
- Four-wire analogue E&M port with DTMF or MFC-R2 signalling for PSTN/PABX interfaces;
- Four-wire analogue (non-signalled) ports for switching inter-site audio lines;
- E1/T1 digital port for inter-site and inter-node audio and data transport switching.
- Asynchronous data port for transporting system control data between site and nodes, or between nodes on an E1/T1 link.

\*Check with your Tait Dealer for availability





# TAIT

## Radio Communications

### General Specifications

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

**CORPORATE HEAD OFFICE**  
NEW ZEALAND  
Tait Electronics Ltd  
P O Box 1645, Christchurch

**AUSTRALIA**  
Tait Electronics (Aust) Pty Ltd  
Toll Free: 1-300 304 344  
E-mail: australia@taitworld.com

**TAIT NORTH AMERICA INC.**  
Regional Head Office  
CANADA  
Toll Free: 1-800-890 TAIT (8248)  
E-mail: canada@taitworld.com

**USA**  
Toll Free: 1-800-890 TAIT (8248)  
E-mail: usa@taitworld.com

**LATIN AMERICA**  
Tait Latin America  
E-mail: latinamerica@taitworld.com

**NEW ZEALAND**  
Tait Communications Ltd  
E-mail: headoffice@tcl.tait.co.nz

**TAIT EUROPE LTD**  
Regional Head Office  
UNITED KINGDOM  
Tait Mobile Radio Ltd  
E-mail: unitedkingdom@taitworld.com

**FRANCE**  
Antenne Française  
E-mail: france@taitworld.com

**GERMANY**  
Zweigstelle Deutschland  
E-mail: germany@taitworld.com

**TAIT NORTH ASIA**  
Regional Head Office  
HONG KONG  
Tait Mobile Radio (Hong Kong) Ltd  
E-mail: hongkong@taitworld.com

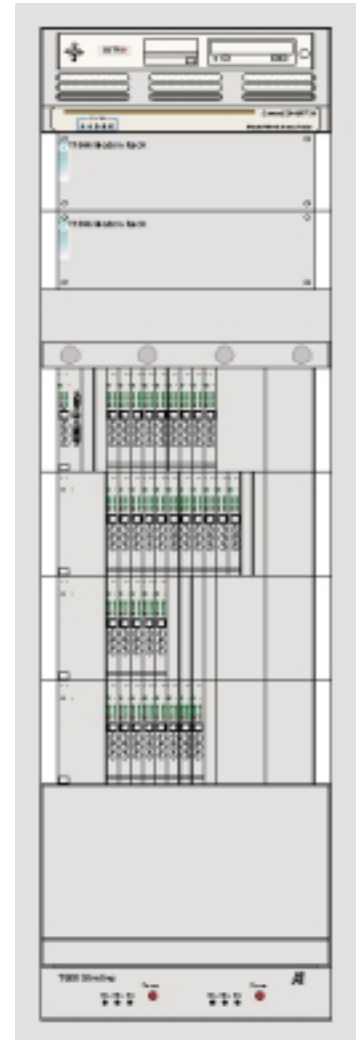
**BEIJING**  
Tait Mobile Radio  
(Hong Kong) Ltd  
E-mail: beijing@taitworld.com

**TAIWAN**  
Tait Mobile Radio  
(Taiwan) Ltd  
E-mail: taiwan@taitworld.com

**TAIT SOUTH EAST ASIA**  
Regional Head Office  
SINGAPORE  
Tait Electronics  
(Far East) Pte Ltd  
E-mail: singapore@taitworld.com

**THAILAND**  
Tait Mobile Radio Ltd  
E-mail: thailand@taitworld.com


<b>Switch Capacity</b>	512 connections (Current T1540 and T1541 nodes support a maximum of 250 ports)
<b>Conference Capacity</b>	64 software based conference channels provide a mix of conference sizes from 2 simultaneous 30-party conferences to 20 simultaneous 3-party conferences
<b>Bin Capacity</b>	64 analogue ports or 512 digital connections
<b>Bin Size</b>	4U, 19" rack mount
<b>Analogue Ports</b>	4-wire, 600 Ohm balanced leased line interface with no line signalling  4-wire, 600 Ohm balanced with E&M line interface with both DTMF and MFC-R2 Register signalling  2-wire, POTS interface with DTMF line signalling
<b>Digital Ports</b>	Primary rate E1/T1 interface with no line signalling  Asynchronous data interface providing data transport over E1/T1 time slots



Typical configuration required to support up to 256 ports in a wide area node

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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