

PRODUCT BRIEF

“*Trunkissimo*” and “*Centralis*”



P25 TRUNKING PLATFORMS

“*Trunkissimo*” and “*Centralis*” are intended for the small scale trunking user. Both use Westel’s proven rack-mounted modular radio technologies.

“*Trunkissimo*” is an entry-level system housed in a standard 19” sub-rack and providing a P25 Trunking Control Channel and 2 Traffic Channels. Comprising a Trunking Controller, 3 Transceivers and 3 Power Amplifiers *Trunkissimo* offers a smaller rack footprint and higher density of rack occupancy than any other P25 repeater platform currently available.



Users of Westel’s existing DRB-25 product may upgrade to the *Trunkissimo* platform re-using their existing Controller, Transceiver and Power Amplifier modules. *Trunkissimo* may also be used in a P25 conventional (non-trunked) mode and may be stacked for a total of 6 channels.

Trunkissimo is powered from 12V DC supplies (either Westel supplied or OEM) and incorporates redundancy in the event of internal power supply failure.

“*Centralis*” is a 5 channel platform housed in a standard 19” subrack comprising 2 Trunking Controllers (1 for redundancy), 5 Transceivers and an AC Power supply. *Centralis* can be powered from either the AC internal power supply with a automatic fall-back to DC if that fails, or from a separate DC supply.

Power Amplifiers are separate to the *Centralis* sub-rack allowing the use of either Westel’s PA shelf or an OEM PA arrangement.



PRODUCT PLACEMENT

These two products as being focussed on small agencies operating in a relatively small geographic area or, for instance railroad shunting yards, where a single site is all that is required.

The trunking controller is hosted on Westel's existing IP Controller Module running an embedded Linux operating system. With a subscriber database of up to 1000 users both products will support P25 Registration and the basic trunking call types of Unit-Group, Unit-Unit, Broadcast (Announcement) and Emergency calls. Other call types will be available subject to demand.

Additionally, *Centralis* will support the P25 Fixed Station Interface enabling control of the station via an IP-type network and Westel is working with a console supplier to implement this.

UPGRADE PATHS AND BACKWARDS COMPATIBILITY

Capable of operating in both analog and Project 25 non-trunked modes, users of Westel's existing DRB-25 product can upgrade to both the *Trunkissimo* and *Centralis* platforms by the purchase of the appropriate sub-racks and software upgrades to their existing Transceiver and Controller modules.

In their non-trunked mode both *Trunkissimo* and *Centralis* operate as a full duplex analog or P25 repeaters. They also provide inbuilt IMBE, direct connection to 2W and 4W lines and DES-OFB encryption and can be connected to tone-based console systems.