

**FYLDE MICRO**



Channel Controller  
MPT 1327 Infrastructure Components



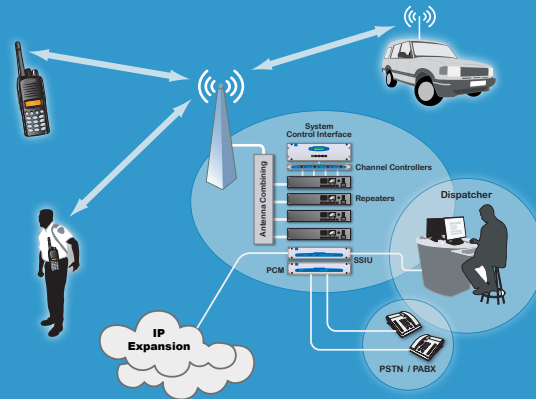
**MPT 1327 Channel Controller (TSCCO3)**

Specially designed for MPT1327 applications, TSC Channel cards are rugged, reliable, and fast. The TSC Channel card performs the major MPT1327 trunking functions. It can operate on its own as a single channel MPT1327 repeater. No other processors whatsoever are necessary.

**Features..**

- Full-featured applications from a single-site to over 800 sites.
- Flash Programmable.
- Ultra compact 4 controllers in a single 1U 19" tray.
- No need for extra test equipment to check and set channel card levels.
- Soft Configuration includes built-in audio waveform monitoring

Channel cards communicate with one another via a very resilient high-speed bi-directional serial bus. This simple 2-wire connection can be up to 100 metres long, useful if several racking cabinets are to be connected (on a large system) where the cabinets cannot be mounted close to one another.



Programming the channel is so simple and accurate.. To align and maintain a Fylde SuperTrunk III system, you just need a standard radio test set and a laptop PC running the Fylde Field Programmer software.

**MPT 1327 Product Range**



Management, AVL & Dispatcher



Channel Controllers TSCCO3



System Control Interface SCIO3



Single Site Interconnect SSIU



PCM Audio Switch 2u



PCM Audio Switch 6u



Regional Control Processor RCP

# TECHNICAL SPECIFICATION

DESCRIPTION:	SPECIFICATION:
MAXIMUM number of RF Channels per site	24
MINIMUM number of RF Channels per site	01
MAXIMUM Speech /NPD Call Queue Depth	31
MAXIMUM Short Data Call Queue Depth	16
MAXIMUM population (not limited by channel card)	1,036,800
DEDICATED Low Forward Power Alarm	TTL Input
DEDICATED High Reverse Power Alarm	TTL Input
DEDICATED Line Interface Unit Alarm	TTL Input
DEDICATED Receiver Mute Alarm	TTL Input
UNDEDICATED Alarms	3 TTL Input
BASE STATION INTERFACE connectors	25 way D-type
SIO BUS INTERFACE connector	9 way D-type
POWER connector	Powered via BASE STATION
Line Interface Unit connector	RJ45 Socket
Line Interface Unit Interface	4 Wire 600 ohm
Line Interface Levels	-20dBm to +6dBm softpot adjust:
Line Interface Bandwidth	200Hz to 3400hz
APPROVALS (TSCC03)	EMC Directive 89/336 EEC (143)

POWER REQUIREMENTS (operational) – DC only per channel	8-18Vdc @ 160mA
OPERATING TEMPERATURE RANGE	-10°C to + 70°C
NOMINAL OPERATIONAL VOLTAGE	13.8 Vdc
OPERATING HUMIDITY RANGE	10% to 90% n/c.

