

# AN700 MICROWAVE BACKBONE SYSTEM

## FEATURES AT A GLANCE

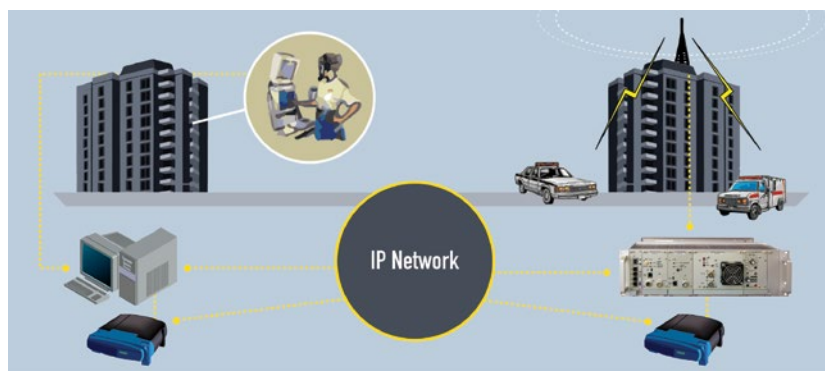
- E&M connection interfacing to radios
- Microwave channel selection to access local coverage radios at multiple sites

## REQUIREMENT

A microwave backbone communications system requires multiple local coverage channels.

## THE SOLUTION

Codan AC-3E control module provides a convenient method to interface two E & M connections to each set of radios in a subrack. The card allows a microwave channel to selectively access local coverage radios at multiple sites. The local radio is typically selected by a tone signalling method, i.e. DTMF or Tone Remote. The local may operate as a repeater in a “normal” mode and would be addressed through the microwave/dispatch in a “remote” mode.



## FREQUENCY BANDS/RF POWER OUTPUT

30 - 50 MHz	3, 40, 100, 250 Watts
132 - 174 MHz	8, 30, 100 Watts
380 - 520 MHz	2, 8, 30, 100 Watts
769 - 869 MHz	3 Watts
896 - 960 MHz	3 Watts

## AVAILABLE OPTIONS/FEATURES

CTCSS, DTMF, DCS, Telephone Interconnect, Multiple Channels

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## REQUIRED EQUIPMENT

xT-4/xxx-xxxxxx	VHF/UHF Transmitter Module
xR-4/xxx-xxxxxx	VHF/UHF Receiver Module
SR-39-1	Subrack
SM-3-H0-014-00	System Monitor
A-MIC-01	Microphone
IMxx-xxxxxxx	Instruction manuals
AC-3E	Audio Control Card
A-PNL-AUX96-3	Auxiliary 96 pin Connector

## OPTIONAL EQUIPMENT

AMP-4/xxx-30-00	30 Watt Power Amplifier
SM-3-H0-MVx-00	System Monitor with analog meter
AC-CTCSS-DE1	CTCSS decoder/encoder modules
PSA-12A09-P0-00	AC Power Supply
PSD-15/08-P0-xx	DC to DC Power Supply

## SYSTEM BLOCK DIAGRAM



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## CODAN RADIO COMMUNICATIONS

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