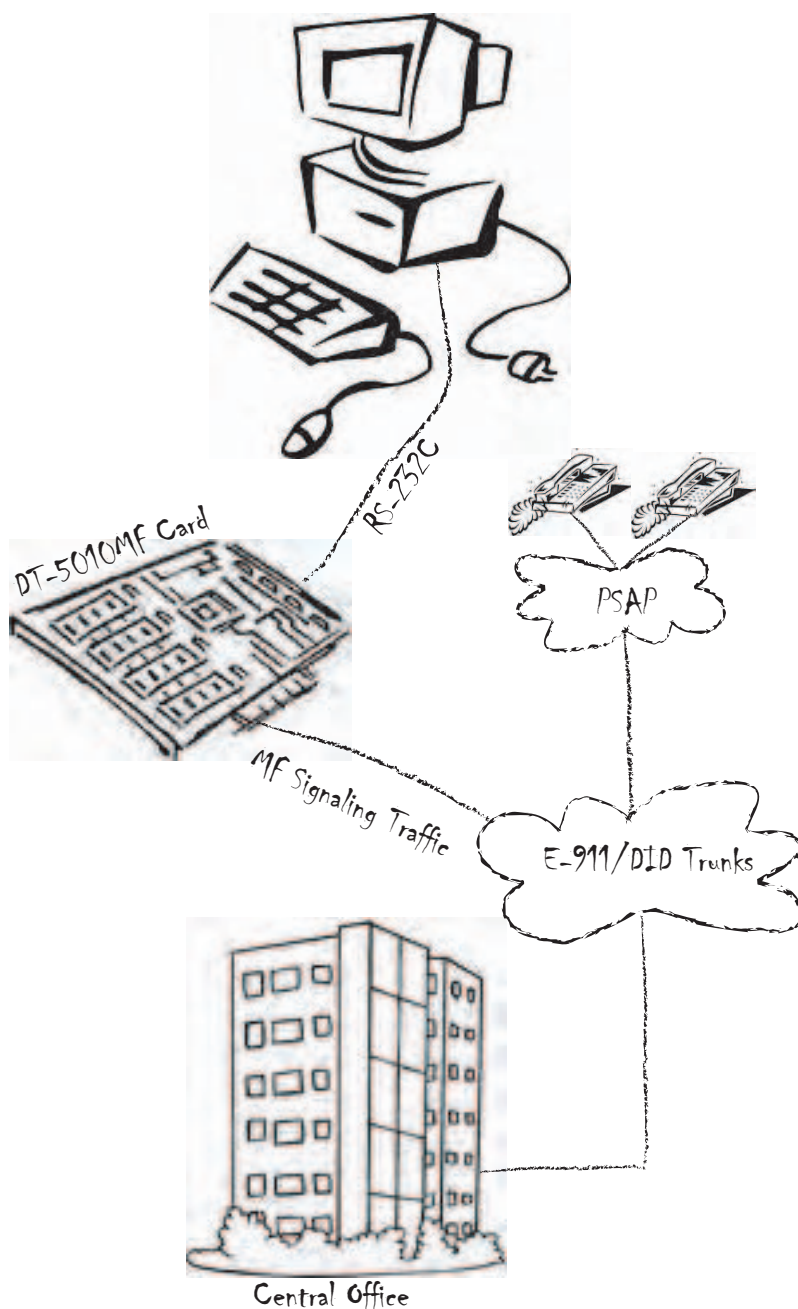




# DigiTrap™

# DTS-5010MF

**Capture Multi-Frequency (MF) digits from analog telephone lines and send them to your computer's serial port**



## Functions

- Monitor two lines per card, up to 24 lines per serial port.
- Capture MF digits without affecting two-way call traffic.
- Transmit the port number, plus the digits received to your computer.

## Components

### System Chassis, Model DTC-01

Rugged, 13 slot- card cage can be rack-mounted or can sit on a table with its rubber feet. Status LEDs are visible through the smoked glass cover panel. Input voltage: 115 VAC (standard) or 230VAC (optional) dimensions: 19"W x 6"H x 15" D

### DigiTrap Card, Model DT-5010MF

Monitors the Tip/Ring leads of two analog lines per card. Captures MF digits on almost any analog circuit, including POTS, DID and E-911. Start with just one DigiTrap DT-5010MF and grow to 12 cards (24 lines) in a single chassis.

### Serial Data card, Model DT-915

Collects digits from each DT-5010MF card and attaches the corresponding line number before transmitting the data to your computer's RS-232 port as ASCII characters, 300 to 9600 bps, DB-9 interface (cable included).

The DigiTrap DTS-5010MF allows your computer to keep track of every MF digit that is sent from the Central Office. Software (yours or ours) can be used to record the MF digit strings.

The DTS-5010MF works on analog lines such as E-911, E&M, DID and DDI. Each line is monitored for MF digit traffic and is converted to ASCII and is transmitted via RS-232 to your computer.

### DATA OUTPUT FORMAT

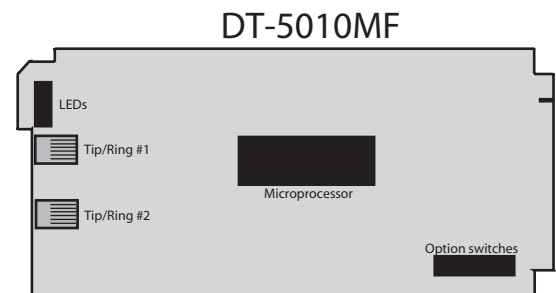
String .....	STX	Board	Channel	Framed MF Digits	ETX
Format .....	(02H)	30-39H	30 or 31H	up to 20 MF digits	(03H)
Digit string example .....	KP 011STKP9528543336STP				
Data string example (in Hex) .....	02 30 31 4B 30 31 31 53 4B 39 35 32 38 35 34 33 33 33 36 50 03				

(Board1 channel 1)

### SYSTEM CONFIGURATION

The DTS-5010MF starter system comes complete with one System Chassis, one serial DT-915 card, one DT-5010MF interface card, modular cords and a DB-9 cable. This system can be expanded up to 24 lines (11 cards).

Since each DT-5010MF interface card is controlled by a microcontroller, custom firmware can be ordered to satisfy virtually any requirement. If you have a unique application, just ask Nicollet to solve it.



### Specifications

Signaling Type	CAMA/E-911 (monitoring only)
Digit Transmission	MFR1 (multi-frequency)
Rate	10 digits/sec. (max.)
Tone duration	50 msec. (min.)
Interdigit Time	50 msec. (min.)
Level Sensitivity	-22dBm - +3 dBm
Digit Feed	Up to 20 Framed or Unframed MF (user selectable)
Purge Duration	2 Seconds (will download any digits received)

*When it comes to digit capture, DigiTrap does it best.*