



# MAGNETO INTERFACE CARD

## FOR CXR QX3440

### FEATURES

12 telephone connections for Magneto

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Supports MRD (Manual Ring-down)

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Supports Magneto to FXS speak PLAR function

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Supports dual type L1/L2 and L1/GND magneto phone or MRD, software programmable

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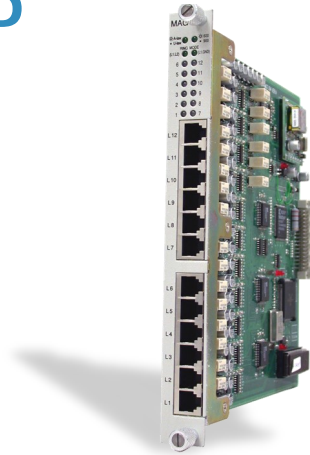
16Vrms minimum detectable ring

### Description

CXR twelve channel MAG plug-in card is designed to occupy a full slot of the QX3440 device.

This module allows communications between magneto telephones.

With the card set in PLAR mode communications can take place between a magneto telephone and a regular telephone. All signaling is carried transparently by the digitizing process.



### Ordering Information

To specify options, choose from the list below:

Model	Description
<b>Single slot</b>	
QX3440-12MAGA	12-channel Magneto plug-in module w/ L1&GND and L1&L2 software programmable .

## Product Specifications

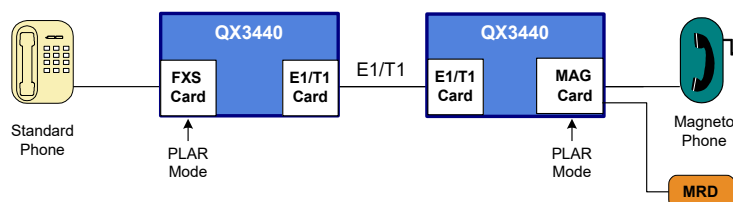
### Magneto (old crank-handle hot-line telephones), MRD (Manual Ring Down) Voice Card

Connector	RJ11 x 12
Alarm Conditioning	CGA busy after 2.5 seconds of LOS, LOF
Encoding	A-law or m-law, user selectable together for all
Impedance	Balanced 600 or 900 ohms (for magneto telephone impedance )
Longitudinal Conversion Loss	> 46dB
Gain Adjustment	-21 to +10 dB / 0.1dB step transmit & receive
Signal/ Distortion	> 25dB with 1004 Hz, 0dBm input
Frequency Response	- 0.25 to -1 dB from 300 to 3400 Hz, coincide with ITU-T G.712
Idle Channel Noise	Max. -65 dBm0p

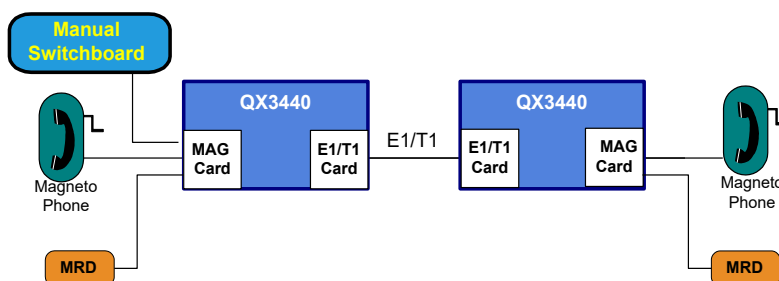
### Signaling

Minimum Detectable Ringing Voltage	16 Vrms
Ringing Detectable Across	L1 and L2 (Tip and Ring), L1 and GND (Tip and GND)
Ringing Generation	Voltage: 76 Vrms (sine wave) Frequency: 20Hz (25Hz or 50Hz on demand) Cadence: 1 sec on 2 sec off, or 2 sec on 4 sec off
Ringing Send Across Signaling	L1 and L2 (Tip and Ring), L1 and GND (Tip and GND) Magneto MRD (Ringing across Tip and Ring or Tip and Ground)
Signaling Bit A,B,C,D	Programmable
Signaling is carried transparently by the digitizing process.	
Use Magneto card default setting for communications between magneto telephones	
Use Magneto card PLAR mode setting for communications between a magneto telephone and a regular telephone	

## Application Illustrations



**Telephone to Hand-cranked Magneto Phone**



**Standard Magneto Phone to Magneto Phone**