

CONFERENCE CARD

Features

- Two ports FXS and two ports 4W E&M plug-in module
- Two ports RS232 Asynchronous plug-in module (DCE)
- Up to 17 phones on a conference call
- G.723 for voice compression
- SNMP support through QX3440 controller
- RoHS Compliant

DESCRIPTION

CXR's Conference plug-in card is designed for the QX3440 device. It provides two RS232 data ports, two FXS and two E&M interfaces, which can provide up to 17 party conferencing on one slot connecting through [17](#) QX3440s. The Conference bus provides an equivalent "Order wire" function for QX3440s connected using E1 interfaces. Both voice and data can be transported on one 64Kbps time slot since the voice signal is compressed using [G.723](#).

Each conference card in the QX3440 chassis provides one independent conference bridge. Multiple conference cards in the same QX3440 chassis would provide multiple independent conference bridges.

For utility and railroad users amongst others, using a Conference card in the QX3440 is equivalent to having an order wire function .



ORDERING INFORMATION

To specify options, choose from list below.

Model (RoHS compliant)	Description	Note
Main Unit		
QX3440-CONF1	Conference interface card plug-in module A CD version of the manual is already included as a standard package.	

PRODUCT SPECIFICATIONS

Conference Card for CXR-OX3440 Access DCS-MUX Product Specifications Conference Card RS232 Interface (DCE)

Data Port	Two ports per card
Asynchronous Data Rate	300, 600, 1.2K, 2.4K, 4.8K, 9.6K, 19.2K bps
Synchronous	Not supported
Connector	DB-9
Data Length	5, 6, 7, 8
Parity	None, Odd, Even
Stop Bit	1, 2
Connector	Two RJ11

FXS Voice Interface

Encoding	G.723
AC Impedance	Balanced 600 ohms
Longitudinal Conversion Loss	> 46dB
Cross Talk Measure	Max -70dBm0
Gain Adjustment	Transmit (D/A) gain 0, +6dB Receive (A/D) gain +6, 0, -6dB
Signal/ Distortion	> 25dB with 1004 Hz, 0dBm input
Idle Channel Noise	Max. -65 dBm0p
Loop Resistance	Max 1800 ohm
FXS Loop Feed	Normal -48 Vdc with 25mA current limit
FXS Ringing	2 REN 20Hz 76 Vrms 2 sec on / 4 sec off for 1 min, or 1 sec on / 2 sec off for 30 sec (programmable) Loop Start, DTMF
Signalling	
Connector	Two RJ45

E&M Voice Interface

Encoding	G.723
Impedance	Balanced 600 ohms
Longitudinal Conversion Loss	> 46dB
Gain Adjustment	Transmit (D/A) gain 0, +6dB Receive (A/D) gain +6, 0, -6dB
Signal/Distortion	> 25dB with 1004 Hz, 0dBm input
Idle Channel Noise	Max. -65 dBm0p
Carrier Connection	Side A = exchange side, Side B = carrier side (jumper selectable)
Line Power Type	Type P (jumper enabled)
Line Power Mode	Master, Standard (jumper selectable)
Wire Mode	4 wire
Signaling Type	Type 1, Type 4, and Type 5 (jumper selectable)
E&M Phone Ringing	Relay turns on single ringing for 5 sec only (programmable) Relay turns on cadence of 2 sec on / 4 sec off for 1 min, or 1 sec on / 2 sec off for 30 sec (programmable)

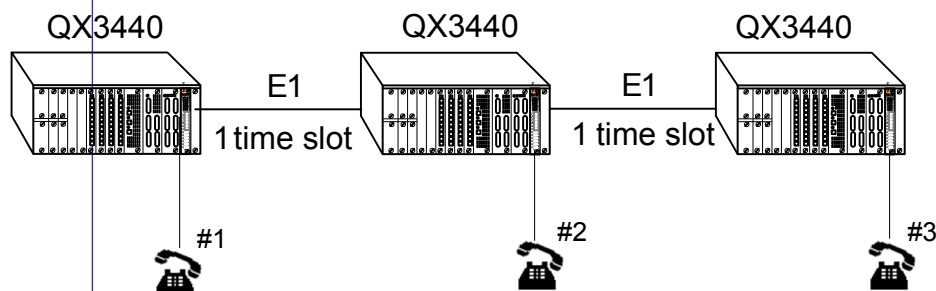


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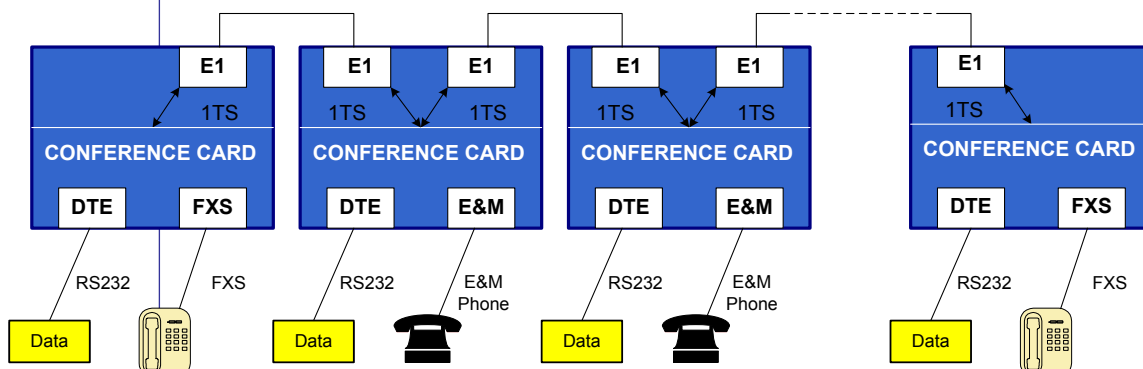
APPLICATION ILLUSTRATIONS

FXS Voice Conference



Note: The three phones (#1 to #3) are conferenced together through one timeslot of the E1 connection.

RS232, E&M and FXS Application



Conference Card Railway Application

