

8-channel 2W/4W E&M Voice Card (8EMA) for Loop-AM3440

Features

- Eight RJ45 connectors or one Telco 64 connector for E&M
- Supports E&M signaling over Type 1, Type 2, Type 3, Type 4 and Type 5
- Programmable gain setting per-port
- A side and B side supported
 - (A side is exchange side, B side is carrier side)
- 2 wire, 4 wire supported
- Transmit only (TO) type supported
- A-law or µ-law coding
- Provides ±24, ±48 or ±125Vdc powered manufacture options



Description

Loop Telecom's E&MA plug-in card is designed for the Loop-AM3440 device. It allows 8 ports E&M interfaces to be multiplexed to 64 kbps DS0 signals. It can also be used as TO (Transmit Only). Voice coding can be selected as either A-law or μ -law. Manufacture options are available to use on AM3440 system with ± 24 , ± 48 or ± 125 Vdc power input.

Ordering Information

To specify options, choose from list below: **Note**: RoHS compliant units are identified by the letter **G** appearing at the end of the ordering code.

Model	Description	Notes
Loop-AM3440-8EMA- x-pt-typ-G	8-channel 2W/4W E&MA plug-in card	<pre>pt = power type For x, pt and typ options, please refer to the table below for detail information</pre>

Where **x** is used to select signaling bits type and special functions:

x =	Description	Notes
E	Follows ETSI signaling bits	
Α	Follows ANSI signaling bits	
R	Reverse for ON-HOOK and OFF-HOOK signaling bits exchange	
AR	Follows ANSI signaling bits and reverse bit	
S	Follows customer's special bit or function assignment	Jumper selectable for all channels
S4	Disable the function of the test button	
S5	Forcing all ports to be OFF-HOOK when an alarm occurs	_
S6	Forcing all ports to be ON-HOOK when an alarm occurs	



pt=	Description	Notes
24	For AM3440-A type chassis using SDA power module with ±24Vdc input power	
PWR	For AM3440-A type chassis using SDA power module with ±48Vdc input power, or AM3440-A type chassis using SD125 power module with ±125Vdc input power or AM3440-B/C type chassis using SDB power module with ±48Vdc input power, or AM3440-B/C type chassis using SAB power module with 100 to 240Vdc input power	
PWRIE1613	For AM3440-A type chassis using SDA power module with ±48Vdc input power, compiled with IEEE1613 standard For AM3440-C type chassis using SDA power module with ±48Vdc input power, compiled with IEEE1613 standard	

Where **pt** is used to select the following functions:

Where **typ** is used to select the connector type:

typ=	Description	Note
RJ	8 x RJ45	
TELCO*	1 x Telco 64	
		*Future Option

Product Specification for E&MA Interface Card

Eight RJ45 or one Telco 64
CGA busy after 2.5 seconds of LOS, LOF
A-law or μ -law, user selectable together for all
Balanced 600 or 900 ohms
-16 to +7 dB / 0.1dB step for transmit (D/A) gain
-16 to +14 dB / 0.1dB step for receive (A/D) gain
A/D Analog input level: -66 dBm (0.00039 Vrms) ~ + 3 dBm (1.09 Vrms)
D/A Analog output level: -66 dBm (0.00039 Vrms) ~ + 4 dBm (1.22 Vrms)
\pm 0.5 dB at 0 dBm0 input
\pm 0.5 dB from 300 to 3400 Hz, coincide with ITU-T G.712
> 46dB
> 35 dB at 0 dBm0 input
Max. –65 dBm0p
Side A (exchange side) and Side B (carrier side) setup by side switch
2 wire and 4 wire (programmable)
Type 1, Type 2, Type 3, Type 4, and Type 5, Transmit only (programmable)
Full compatibility with V.90 modems
-48Vdc
transparently by the digitizing process.

Customer is responsible for in-band signaling compatibility between a telephone and a switch, or between a PBX and a switch.



Application Illustration





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