FMUX1001 & FMUX101 Interface Module

4x E1/T1 RJ45 I/F

Standards	ITU-T G.703, G.704, AT&T TR-62411, ANSI T1.403
Ports	4 ports
Framing	Unframed (clear channel)
E1	Data rate: 2.048 Mbps ±50 ppm
	Line code: HDB3 / AMI
	Line impedance: 120 ohms ±5%, 75ohms ±5%
T1	Data rate: 1.544 Mbps ±50 ppm
	Line code: B8ZS / AMI
	Line impedance: 100 ohms ±5%
Receive Level	Short haul - 15dB
Connector	RJ-45

4x E1 BNC I/F

Standards	ITU-T G.703, G.704, G.706, G.732
Ports	4 ports
Framing	Unframed (clear channel)
Data rate	E1 2.048 Mbps ± 50 ppm
Line code	E1 HDB3/AMI
Receive Level	Short haul - 15dB
Line impedance	E1 75 ohms ± 5%
Connector	BNC 75 ohms

Related Cables *(Please see order information for more details)*

V35   RS530   RS449   X21   RS232

4x Data Com I/F

Standards	ITU-T, E1A
Card Type	V.35/ RS-530 (Include X.21 and RS-449)/ RS-232 I/F
Bit rate	n x 64K, n = 1 to 32
	V.35 & RS-530 up to 2Mbps
	RS-232 up to 115.2Kbps (ASYNC)
Line code	NRZ
Clock Mode	Transparent, Recovery, External (From data port ETC)
	Internal (From oscillator)

Control Signal	CTS always On or follows RTS
	DSR constantly ON, except during test
	loops (RS-530 DSR always connect to DTR)
	DCD constantly ON, except during fiber signal loss
Test Loops	Local loop back, Remote loop back, V.54
Connector	Type Uses HD-68 pin D type Female with adapter cables

4x FXO I/F

Standards	G.711 A-law (separate modules for FXO)
Distance	2km
Bandwidth	64K voice channel
Connector	RJ45 x 4 (4 voice channel /per unit)

4x FXS I/F

Standards	G.711 A-law (separate modules for FXS)
Distance	2km
Bandwidth	64K voice channel
Connector	RJ45 x 4 (4 voice channel /per unit)

Ordering Information

Model Name	Description
FMUX1001-CH	1U 19" 4-Slot Rack Mount Chassis
FMUX101-CH	1U 19" 4-Slot Rack Mount Chassis
FMUX-AC	Chassis Power Module 90~264VAC
FMUX-DC	Chassis Power Module 18~72VDC
FMUX-4E1/T1-RJ45	4ch E1/T1 RJ45 interface card
FMUX-4E1/T1-Wire	4ch E1/T1 Wire Wrap interface card
FMUX-4E1/BNC	4ch G.703 E1 BNC interface card
FMUX-V35	V35 interface card with HD68M to 4 x MB34F cable (30cm)

Model Name	Description
FMUX-530	RS-530 interface card with HD68M to 4 x DB25F cable (30cm)
FMUX-449	RS-449 interface card with one HD68M to 4 x DB37F cable (30cm)
FMUX-X21	X.21 interface card with one HD68M to 4 x DB15F cable (30cm)
FMUX-232/Sync	RS-232 Sync card with one HD68M to 4 x DB9F cable (30cm)
FMUX-232/Async	RS-232 Async card with one HD68M to 4 x DB9F cable (30cm)
FMUX-4FXO	4 x FXO interface card
FMUX-4FXS	4 x FXS interface card
FMUX-Phone-2W	2 Wires order Wire (connect to analogue Telephone set)
FMUX-Phone-4W	4 Wires order Wire (connect to Ear-Mic set)
FMUX-EXT/CLK	External clock interface card

Example:

Chassis/Power/Line card Only

FMUX 1 0 0 1 - CH

1001 : GbE Fiber Multiplexer
101 : FE Fiber Multiplexer

FMUX A C

Power Module

FMUX V 3 5

I/F Line Card

Whole Set

FMUX 1 0 0 1 - A C - 2 W - A B C D

1001 : GbE
101 : FE

Power Type
AC
DC
AA : AC + AC
DD : DC + DC
AD : AC + DC

Order Wire
2W : 2 Wire Phone
4W : 4 Wire Phone

Card Type
A : 4x E1 BNC   G : 4x X.21
B : 4x E1/T1 RJ45   H : 4x RS-449
C : 4x E1/T1 Wire   I : 4x FXO
D : 4x V.35   J : 4x FXS
E : 4x RS-232/Async   L : EXT/CLK
F : 4x RS-530   M : 4x RS232/Sync

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Specifications & design are subject to change without prior notice. Please visit CTC Union website for more details.