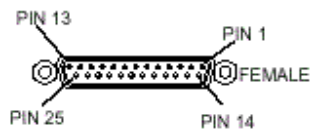# ADTRAN

ISU Interface Pinouts

The following charts give the pin assignments for the physical interfaces on various ISU products. For more specifics please reference the user manual for the corresponding product.

EIA-232/RS-530 Interface

Pin Assignments for EIA-232 Interface

Pin	Name	I/O	Description
1	Shield	I/O	Shield for cable
2	TD	I	Transmitted Data
3	RD	O	Received Data
4	RTS	I	Request to Send
5	CTS	O	Clear To Send
6	DSR	O	Data Set Ready
7	SG	I/O	Signal Ground
8	CD	O	Carrier Detect
9	NC	N/A	No Connection
10	NC	N/A	No Connection
11	NC	N/A	No Connection
12	NC	N/A	No Connection

Pin Assignments for EIA-530 Interface

Pin	Name	I/O	Description
1	Shield	I/O	Shield for cable
2	TD-A	I	Transmitted Data
3	RD-A	O	Received Data
4	RTS-A	I	Request to Send
5	CTS-A	O	Clear To Send
6	DSR-A	O	Data Set Ready
7	SG	I/O	Signal Ground
8	CD-A	O	Carrier Detect
9	RC-B	O	Receive Clock (return)
10	CD-B	O	Carrier Detect (return)

13	NC	N/A	No Connection
14	NC	N/A	No Connection
15	TC	O	Transmit Clock
16	NC	N/A	No Connection
17	RC	O	Receive Clock
18	NC	N/A	No Connection
19	NC	N/A	No Connection
20	DTR	I	Data Terminal Ready
21	NC	N/A	No Connection
22	RI	O	Ring Indicator
23	NC	N/A	No Connection
24	ETC	I	External Transmit Clock
25	NC	N/A	No Connection
I=Input, O= Output, N/A= Not Applicable			

11	ETC-B	O	External Transmit Clock (return)
12	TC-B	O	Transmit Clock (return)
13	CTS-B	O	Clear To Send (return)
14	TD-B	I	Transmitted Data (return)
15	TC-A	O	Transmit Clock
16	RD-B	O	Received Data (return)
17	RC-A	O	Receive Clock
18	NC	N/A	No Connection
19	RTS-B	I	Request to Send (return)
20	DTR-A	I	Data Terminal Ready
21	NC	N/A	No Connection
22	DSR-B	O	Data Set Ready (return)
23	DTR-B	I	Data Terminal Ready (return)
24	ETC-A	I	External Transmit Clock
25	N/A	N/A	No Connection
I=Input, O= Output, N/A= Not Applicable			

Pin Assignments for V.35 Interface
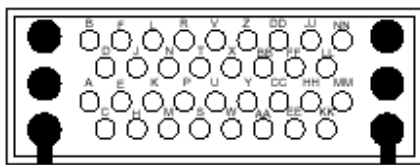
Pin	Name	I/O	Description
A	Shield	I/O	Shield for cable
B	SG	I/O	Signal Ground

V.35 Interface

C	RTS	I	Request To Send
D	CTS	O	Clear To Send
E	DSR	O	Data Set Ready
F	CD	O	Carrier Detect
H	DTR	I	Data Terminal Ready
J*	RI	O	Ring Indicator
P	SD-A	I	Send Data
R	RD-A	O	Receive Data
S	SD-B	I	Send Data (return)
T	RD-B	O	Receive Data (return)
U	TC-A	I	External Transmit Clock
V	RC-A	O	Receive Clock
W	TC-B	I	External Transmit Clock (return)
X	RC-B	O	Receive Clock (return)
Y	ST-A	O	Send Timing
AA	ST-B	O	Send Timing (return)
K,L	NC	N/A	No Connection
M,N	NC	N/A	No Connection
BB	NC	N/A	No Connection
CC	NC	N/A	No Connection
DD	NC	N/A	No Connection
EE	NC	N/A	No Connection
FF	NC	N/A	No Connection
HH	NC	N/A	No Connection
JJ	NC	N/A	No Connection
KK	NC	N/A	No Connection
LL	NC	N/A	No Connection

|			
MM	NC	N/A	No Connection
NN	NC	N/A	No Connection
*Pin J (ring indicator) is needed for most video-conferencing applications. I= Input, O= Output, N/A= Not Applicable			

Pin Assignments for RS-366 Interface
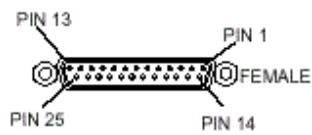
RS-366 Interface

Pin	Name	I/O	Description
1	Shield	I/O	Shield for cable
2	DPR	I	Digit Present
3	ACR	O	Abandon Call and Retry
4	CRQ	I	Call Request
5	PND	O	Present Next Digit
6	PWI	O	Power Indication
7	SG	I/O	Signal Ground
13	DSC	O	Distant Station Connect
14	NB1	I	Digit LSB
15	NB2	I	Digit bit 2
16	NB4	I	Digit bit 3
17	NB8	I	Digit bit MSB
22	DLO	O	Data Line Occupied
8-12	NC	N/A	No Connection
18-21	NC	N/A	No Connection
23-25	NC	N/A	No Connection
I=Input, O= Output, N/A= Not Applicable			

Pin Assignments for ISDN U-IFC

PIN 1   PIN 8
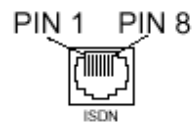
ISDN

RJ-45 Interface

Pin	Description
4	Ring
5	Tip

Pin Assignments for ISDN S/T-IFC

PIN 1   PIN 8

ISDN
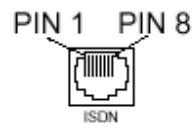
RJ-45 Interface

Pin	Description
3	Rx +
4	Tx +
5	Tx -
6	Rx -