

Front Panel Description

- 1 **Status:** Green LED illuminates when the unit is powered and operation is normal. The red LED illuminates when an alarm exceeding thresholds is detected or for other unit failure.
- 2 **ACO:** Amber LED illuminates when the ACO (alarm cutoff) switch is placed in the left (*On*) position. It indicates that the alarm relay contacts are forced to the *No Alarms* condition.
- 3 **ACO SW:** The alarm cutoff switch controls the alarm relay circuitry. When the switch is placed in the left (*On*) position, this circuitry is deactivated. The ACO indicator still functions as usual.
- 4 **Forced:** Amber LED illuminates indicating that the *Force* switch is in either the *A* or *B* direction.
- 5 **A / B:** Either the *A* or *B* green LED illuminates indicating which input is being broadcast to the ports. Even if both Port A and Port B have input, Port A will be selected and the *A* indicator illuminates.
- 6 **Force Switch:** This switch is used to force the input to either the *A* or *B* input.

General

The TxPORT 1060A Broadcast card (part number F-1060-100A-111) is used to expand a single T1 input to 14 T1 inputs where bridging may not be possible or practical.

The inputs are redundant, switching from the Port A to Port B or Port B to Port A on receipt of an alarm indication signal (AIS) or on a loss of signal (LOS). AIS occurs on the receipt of 8192 consecutive ones. LOS occurs on the receipt of 175 consecutive zeros.

Installation

The 1060A card is designed to be installed in a single unit housing module for standalone desktop use or for wall mounting.

Operation

The card has two input choices - *A* or *B*. The green LEDs indicate which side is supplying the input. The

unit alarms on a loss of signal (LOS) or on an alarm indication signal (AIS).

The manual force switch is used to select the input to either side *A* or the side *B*. The **FORCED** LED (amber) indicates that the force switch is out of the *N* (normal) position. The unit will stay in the selected input mode unless an alarm condition is detected on the selected input. The unit will not switch from the selected input if an alarm condition exists on the other input.

The unit has a *Bridge* or *Term* option on both inputs allowing more than one input to be tied together with the last one terminated.

Specifications

Input (A/B): Impedance terminated 100 Ω ($\pm 2\%$)
 Underterminated 1000 Ω

Output: Per 62411 waveform into 100 Ω

Power

DC Power: -48 VDC ($\pm 10\%$), 50 mA max
 2.5 Watts, 8.5 BTU maximum

Connection: Terminal block

Mechanical

Mounting: Desktop
 Wall
 Horizontal or vertical rack
 Vertical nest mount

Dimensions: 1.72 in (4.37 cm) Wide
 6.8 in (17.27 cm) High
 10.5 in (26.67 cm) Deep

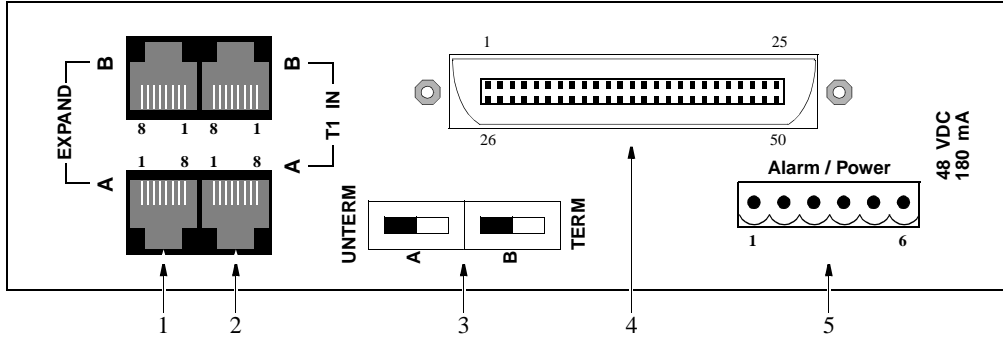
Weight: 4.0 lbs (1.81 kg)

Industry Standards

FCC Compliance: Part 15 Subpart B, Class A
 FCC Part 68 Reg:

1060A Broadcast Card Rear Panel

Alarm / Power Pinout



Pin	Function
1	48 VDC Return
2	Alarm Common
3	-48 VDC
4	Frame Ground
5	Normally Closed
6	Normally Open

Rear Panel Description

1	Expand: These two 8-pin modular jacks are used for jumping the <i>A</i> or <i>B</i> inputs together to provide additional inputs.
2	T1 IN: These two 8-pin modular jacks are used for the T1 input signal as well as the output of each input. These 2 connectors output AIS with no input.
3	Terminate/Unterminate: These two slide switches are used for setting the <i>A</i> or <i>B</i> input. They are recessed and can be moved with a screwdriver. <i>Terminate</i> is used when the expansion connector is not used. <i>Unterminate</i> is used when the expansion connector is daisy chained.
4	T1 Broadcast Port: This 50-pin female connector is used for the expanded outputs of either the <i>A</i> or <i>B</i> inputs. Refer to the pinout table below.
5	Alarm: This 6-pin connector is used as follows for the alarm connection. The alarm connection is made on pins 2 and 5 to operate in a normally closed mode (NC - opens on alarm) or on pins 2 and 6 to operate in a normally open mode (NO - closes on alarm). The contacts are rated at 1.0 Amp AC or 1.0 Amp DC. 18- to 20-gauge wire is recommended.
5	Power: This 6-pin connector is used as follows for the power connection. The unit requires a -48 VDC power source that is capable of supplying 50 mA current. Connect a chassis ground lead to pin 4. Connect the -48 VDC lead to pin 3. Connect the return lead to pin 1. 18- to 20-gauge wire is recommended.

T1 Broadcast Port Pinout

Tip	Ring	Function
1	26	Output # 1
2	27	Output # 2
3	28	Output # 3
4	29	Output # 4
5	30	Output # 5
6	31	Output # 6
7	32	Output # 7
8	33	Output # 8
9	34	Output # 9
10	35	Output # 10
11	36	Output # 11
12	37	Output # 12
13	38	Output # 13

Tip	Ring	Function
14	39	Output # 14
15	40	Not Used
16	41	Not Used
17	42	Not Used
18	43	Not Used
19	44	Not Used
20	45	Not Used
21	46	Not Used
22	47	Not Used
23	48	Not Used
24	49	Not Used
25	50	Frame Gnd

Expand / T1 In Pinout

Pin	EXPAND	T1 IN
1	Data Out	Data In
2	Data Out	Data In
3	Not Used	Not Used
4	Not Used	Data Out
5	Not Used	Data Out
6	Not Used	Not Used
7	Chassis Gnd	Chassis Gnd
8	Chassis Gnd	Chassis Gnd

TXPORT
TRANSPORT

127 Jetplex Circle
Madison, Alabama 35758

Sales and Marketing

800-926-0085

205-772-3770

info@txport.com

Technical Support

800-285-2755

205-772-3770

support@txport.com

Returns/RMA

800-926-0085, ext. 2227