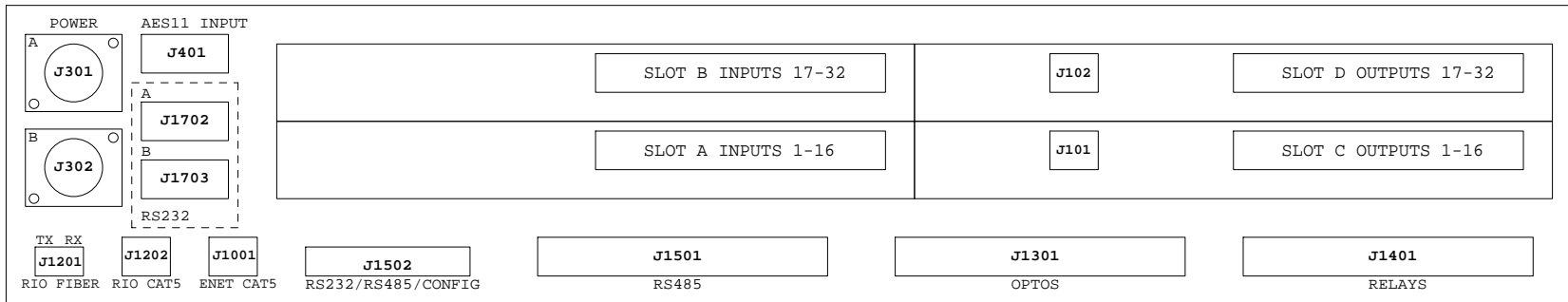


SAS RIO CHASSIS REAR PANEL (External View*)



J301 & J302

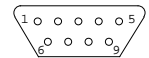
Function: 24VDC/3.0A POWER INPUT
Connector Type: Neutrik P/N NL4MP-UC (Female)



Mating Connector: Neutrik P/N NL4FX (Male)

J401

Function: AES11 Input
Connector Type: DSUB9 (Male)

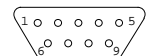


PIN 1 - GROUND
PIN 2 - AES11+
PIN 3 - AES11-

Mating Connector: DSUB9 (Female)

J1702

Function: RS232 PORT 1 (ADMIN)
Connector Type: DSUB9 (Male)

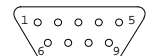


PIN 2 - RS232 PORT 1 TX
PIN 3 - RS232 PORT 1 RX
PIN 5 - GROUND

Mating Connector: DSUB9 (Female)

J1703

Function: RS232 PORT 2 (USI)
Connector Type: DSUB9 (Male)



PIN 2 - RS232 PORT 2 TX
PIN 3 - RS232 PORT 2 RX
PIN 5 - GROUND

Mating Connector: DSUB9 (Female)

SLOT A INPUTS 1-16 SLOT B INPUTS 17-32

For Analog Input (RAI-8) Card, use SAS Drawing 16BW1.
For AES Input (RDI-8) Card, use SAS Drawing 16BW1 (SIG 1-8 ONLY).

SLOT C OUTPUTS 1-16 SLOT D OUTPUTS 17-32

For Analog Output (RAO-8 or RAD-84) Card, use SAS Drawing 16BW1.

For AES Output (RDO-8) Card, use SAS Drawing 16BW1 (SIG 1-8 ONLY).

**FOR RIO LINK,
USE FIBER OR CAT5,
BUT NOT BOTH
SIMULTANEOUSLY**

J1201

Function: RIO LINK OPTICAL FIBER INTERFACE
Connector Type: Install Small Form-factor Pluggable (SFP)
Optical Module from Stratros Lightwave™

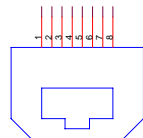
Mating Connector: LC Duplex Fiber Connector

MODULE P/N	MODE/WAVELENGTH	MATE/FIBER CORE	MAX DISTANCE
SPLC-20-4-1-B	Multi-mode/850nm	LC Duplex/50 or 62.5um	300m/985 ft
SPLC-20-1-4-B	Multi-mode/1310nm	LC Duplex/62.5um	2km/1.25 miles
SPLC-20-4-2M-B	Single-mode/1310nm	LC Duplex/9um	10km/6 miles
SPLC-20-4-2L-B	Single-mode/1310nm	LC Duplex/9um	20km/12 miles

Note: Multi-mode --> Orange fiber, Single-mode --> Yellow fiber

J1202

Function: RIO LINK CAT5 INTERFACE
Connector Type: CAT5 (RJ-45)

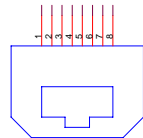


PIN 1 - LINK_IN+ (TO RIO CHASSIS)
PIN 2 - LINK_IN-
PIN 7 - LINK_OUT+ (FROM RIO CHASSIS)
PIN 8 - LINK_OUT-

Mating Connector: RJ-45 (Use CAT5E, up to 180m (600 ft))

J1001

Function: ETHERNET CAT5 INTERFACE
Connector Type: RJ-45

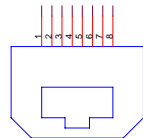


PIN 1 - ENET_TX+
PIN 2 - ENET_TX-
PIN 3 - ENET_RX+
PIN 6 - ENET_RX-

Mating Connector: RJ-45

J101/J102

Function: Four AES outputs (available w/ RAD-84 card only)
Connector Type: RJ-45

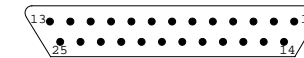


PINS 1/2 - AES Output 1+/- (Slot C), AES Output 9+/- (Slot D)
PINS 3/6 - AES Output 2+/- (Slot C), AES Output 10+/- (Slot D)
PINS 5/4 - AES Output 3+/- (Slot C), AES Output 11+/- (Slot D)
PINS 7/8 - AES Output 4+/- (Slot C), AES Output 12+/- (Slot D)

Mating Connector: RJ-45

J1502

Function: RS232/RS485/CONFIG INTERFACE
Connector Type: DB25 (Female)



Mating Connector: DB25 (Male)

RS232 PORTS 3-5

PORT 3 (USI)
PIN 18 - RS232 PORT 3 TX
PIN 6 - RS232 PORT 3 RX
PIN 19 - GROUND

PORT 4 (USI)

PIN 7 - RS232 PORT 4 TX
PIN 20 - RS232 PORT 4 RX
PIN 8 - GROUND

PORT 5 (DEBUG)

PIN 21 - RS232 PORT 5 TX
PIN 9 - RS232 PORT 5 RX
PIN 22 - GROUND

RS485 PORTS 17-19

PORT 17
PIN 1 - RS485 PORT 17+
PIN 14 - RS485 PORT 17-
PIN 2 - GROUND

PORT 18

PIN 15 - RS485 PORT 18+
PIN 3 - RS485 PORT 18-
PIN 16 - GROUND

PORT 19

PIN 4 - RS485 PORT 19+
PIN 17 - RS485 PORT 19-
PIN 5 - GROUND

STRAPPABLE CONFIGURATION LINES

PIN 13 - MASTER/SLAVE
NO STRAP - SLAVE
PIN 25 - GROUND

PIN 13	MODE
NO STRAP	SLAVE
STRAPPED	MASTER

SHARED
PIN 12 - SAMPLE RATE SEL2
PIN 24 - GROUND
PIN 11 - SAMPLE RATE SEL1
PIN 23 - GROUND

PIN 12	PIN 11	RATE
NO STRAP	NO STRAP	48K
STRAPPED	NO STRAP	44.1K
NO STRAP	STRAPPED	32K
STRAPPED	STRAPPED	UNUSED

PIN 10 - FUTURE USE
PIN 22 - GROUND

J1301 (OPTOS 1-16)

USE SAS DRAWING 16BW2.

J1401 (RELAYS 1-16) & J1501 (RS485 PORTS 1-16)

USE SAS DRAWING 16BW1.

*** NOTE: All connectors shown are part of RIO rear panel and are drawn as viewed looking at rear panel from outside of unit.**

Title			Rev
SAS RIOG STAND-ALONE CONNECTORS			B
Size	Document Number		
C			
Date	Monday, October 09, 2006	Sheet	1 of 1