LYNX AURORA 16 AND AURORA 8 SPECIFICATIONS

ANALOG I/O

Aurora 8	Eight inputs and eight outputs
Aurora 16	Sixteen inputs and sixteen outputs
Type	Electronically balanced or unbalanced,
Level	+4 dBu nominal / +20 dBu max. or
	-10 dBV nominal / +6 dBV max
Input Impedance	Balanced mode: 24k Ω
	Unbalanced mode: 12k Ω
Output Impedance	Balanced mode: 100 Ω
	Unbalanced mode: 50 Ω
Output Drive	600 Ω impedance, 0.2 µF capacitance
A/D and D/A Type	24-bit multi-level, delta-sigma

ANALOG IN PERFORMANCE

Frequency Response	20 Hz - 20 kHz, +0/-0.1 dB
Dynamic Range	117 dB, A-weighted
Channel Crosstalk	-120 dB maximum, 1 kHz signal, -1 dBFS
THD + N	-108 dB (0.0004%) @ -1 DBFS
	-104 dB (0.0006%) @ -6 DBFS
	1 kHz signal, 22 Hz - 22 kHz BW

ANALOG OUT PERFORMANCE

Frequency Response	20 Hz - 20 kHz, +0/-0.1 dB
Dynamic Range	117 dB, A-weighted
Channel Crosstalk	-120 dB max., 1 kHz signal, -1 dBFS
THD + N	-107 dB (0.00045%) @ -1 DBFS
	-106 dB (0.00050%) @ -6 DBFS
	1 kHz signal, 22 Hz - 22 kHz BW

DIGITAL I/O

Number / Type	Aurora 8: 8 inputs and 8 outputs
	Aurora 16: 16 inputs and 16 outputs
	24 bit AES/EBU format, transformer coupled
Channels	Aurora 8: 8 in/out in single-wire mode
	4 in/out in dual-wire mode
	Aurora 16: 16 in/out in single-wire mode
	8 in/out in dual-wire mode
Sample Rates	All standard rates and variable rates up to
	192 kHz in both single-wire and dual-wire modes

ON-BOARD DIGITAL MIXER (VIA AES16/AES16e)

Type	Hardware-based, low latency
Routing	Ability to route any input to any or multiple outputs
Mixing	Up to four input or playback signals mixed to any output, 40-bit precision
Status	Peak levels to -114 dB on all inputs and outputs

CONNECTIONS

Digital I/O Ports	25-pin female D-sub connectors
	Port A: channels 1-8 I/O
	Port B: channels 9-16 I/O (Aurora 16 only)
	Yamaha pinout standard
Analog I/O Ports	25-pin female D-sub connectors.
	Analog In 1-8
	Analog In 9-16 (Aurora 16 only)
	Analog Out 1-8
	Analog Out 9-16 (Aurora 16 only)
	Tascam pinout standard
External Clock	75-ohm BNC word clock input and output
MIDI	One input and one output. Standard opto-isolated, 5-pin female DIN connectors

REMOTE CONTROL OPTIONS

Function	Controls all I/O, levels, monitoring, routing and setting recall
Method	AES16/AES16e: With PC or Macintosh
	IrDA: For compatible Pocket PCs and laptops
	MIDI: Selected MIDI devices

GENERAL
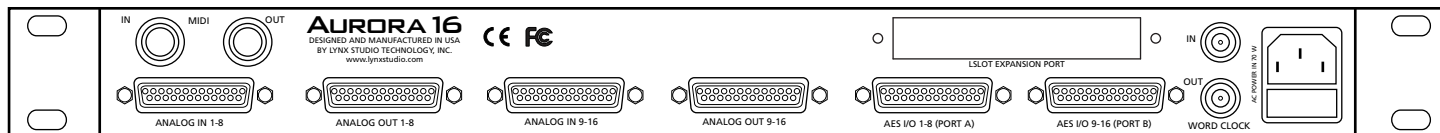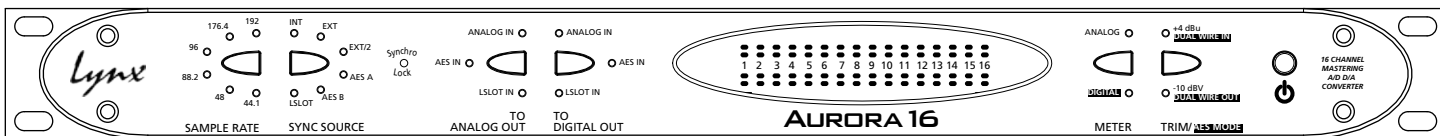
AC Power	110 / 115 / 230 VAC, 70 watts
Size	1.75" H x 19" W x 9" D
Shipping Weight	12 pounds
Certifications	CE and FCC Class B EMI, CE Product Safety

LSLOT™ EXPANSION PORT

Compatibility	Supports Lynx LSlot expansion cards
Channels	Up to 16 input and 16 output simultaneously at up to 192 kHz sample rate

OPTIONAL INTERFACE CARDS FOR LSLOT

LT-ADAT	Provides ADAT Optical I/O
LT-HD	For Digidesign® ProTools	HD® / Native
LT-FW	Provides up to 16 channels via FireWire 400
LT-MADI	Provides up to 64 MADI I/O channels
LT-USB	Provides up to 16 I/O channels, USB 2.0

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