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)

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 Ω 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/AES16*e*: With PC or Macintosh MIDI: Selected MIDI devices

General

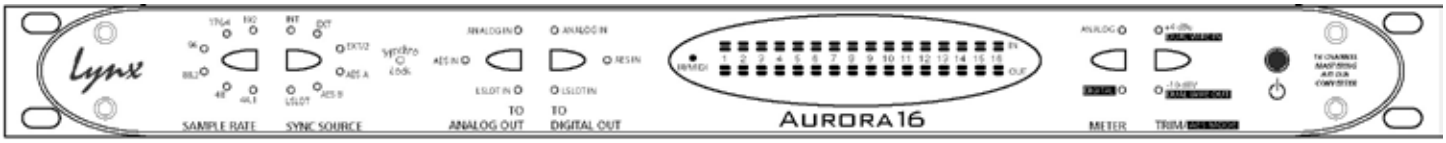
AC Power	100 / 115 / 230 VAC, 70 watts
Size	1.75” H x 19” W x 9” D
Shipping Weight	12 pounds
Certifications	CE and FCC Class B EMI, CE Product Safety

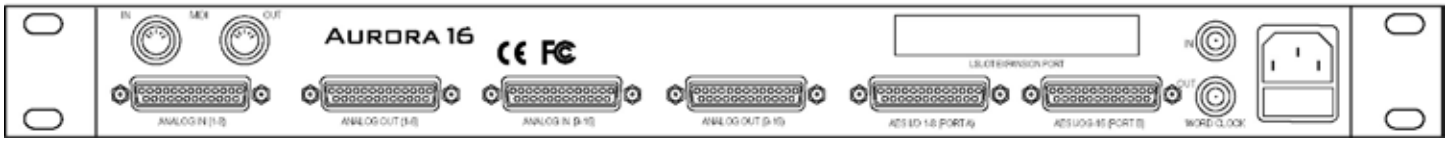
LSlot™ Expansion Port

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 16-channel at 48 kHz, 8-channel at 96 kHz, 4-channel at 192 kHz ADAT Optical I/O
LT-HD	Provides interface for Avid® ProTools | HD® systems
LT-MADI	Provides up to 64 channels of I/O
LT-USB	Provides up to 16 channels of I/O, USB 2.0
LT-TB	Provides up to 32 channels of I/O





Lynx Studio Technology

Phone: 714-545-4700 Fax: 714-545-4777
Email: sales@lynxstudio.com
Website: http://www.lynxstudio.com