

# LYNX AURORA 16-VT SPECIFICATIONS

## ANALOG I/O

<b>Aurora 16-VT</b>	Sixteen inputs and sixteen outputs
<b>Type</b>	Electronically balanced or unbalanced,
<b>Level</b>	Continuously variable between +8.5 dBu and +24 dBu via internal trim pots
<b>Input Impedance</b>	Balanced mode: 24k $\Omega$ Unbalanced mode: 12k $\Omega$
<b>Output Impedance</b>	Balanced mode: 100 $\Omega$ Unbalanced mode: 50 $\Omega$
<b>Output Drive</b>	600 $\Omega$ impedance, 0.2 $\mu$ F capacitance
<b>A/D and D/A Type</b>	24-bit multi-level, delta-sigma

## ANALOG IN PERFORMANCE

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

## ANALOG OUT PERFORMANCE

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

## DIGITAL I/O

<b>Number / Type</b>	16 inputs and 16 outputs 24 bit AES/EBU format, transformer coupled
<b>Channels</b>	16 in/out in single-wire mode 8 in/out in dual-wire mode
<b>Sample Rates</b>	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)

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

## CONNECTIONS

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

## REMOTE CONTROL OPTIONS

<b>Function</b>	Controls all I/O, levels, monitoring, routing and setting recall
<b>Method</b>	AES16/AES16e: With PC or Macintosh MIDI: Selected MIDI devices

## GENERAL

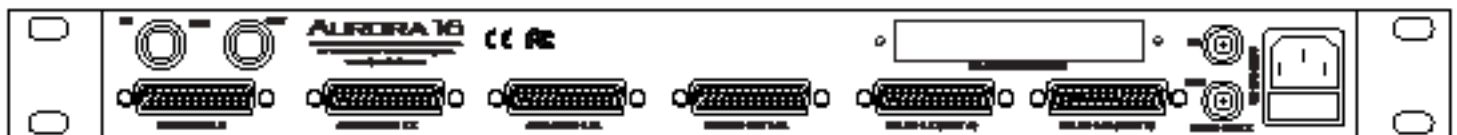
<b>AC Power</b>	100 / 115 / 230 VAC, 70 watts
<b>Size</b>	1.75" H x 19" W x 9" D
<b>Shipping Weight</b>	12 pounds
<b>Certifications</b>	CE and FCC Class B EMI, CE Product Safety

## LSLOT™ EXPANSION PORT

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

## OPTIONAL INTERFACE CARDS FOR L SLOT

<b>LT-ADAT</b>	Provides ADAT Optical I/O
<b>LT-HD</b>	For Avid® ProTools   HD® / Native
<b>LT-MADI</b>	Provides up to 64 MADI I/O channels
<b>LT-USB</b>	Provides up to 16 I/O channels, USB 2.0
<b>LT-TB</b>	Provides up to 32 channels



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