

## Overview

The HY144-D-SRC audio interface card supports the Dante audio network protocol, handling up to 144 input and 144 output channels of 96 kHz/32-bit digital audio. Onboard sample rate conversion allows interconnection between devices operating at different sampling rates. Five operational modes can be selected via firmware.



## Features

- Transmits and receives up to 144 input and 144 output channels of uncompressed 96 kHz/32-bit digital audio.
- Primary and secondary connectors support redundant connections. Daisy chain connections also supported.
- Five firmware-selectable operating modes: 144io (SRC off, 144 in/144 out), 144io SyncSRC (SRC on, synchronous, 144 in/144 out), 72io AsyncSRC (SRC on, asynchronous, 72 in/72 out), 144in AsyncSRC (SRC on, asynchronous, 144 in/0 out), 144o AsyncSRC (SRC on, asynchronous, 0 in/144 out).
- Dimensions (W x H x D): 125 x 37 x 207 mm
- Net Weight: 0.25 kg

## Specifications

### General Specifications

Measured with an RPi0622

### Sampling Frequency

	Conditions	Min.	Typ.	Max.	Unit
Dante Clock	Fs=44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz	-200	-	+200	ppm
Card Clock	This depends on the specification of the host device in which this card is inserted.				

### Temperature Range

	Conditions	Min.	Typ.	Max.	Unit
Temperature Range	Operating Temperature Range	0	-	40	°C
	Storage Temperature Range	-20	-	60	°C

### Digital Input/Output Characteristics

Terminal	Format	Audio Data Length	Standard	Maximum Number of Channels *1	Cable Length (Max.)	Connector
PRIMARY/ SECONDARY	Dante	24 bit or 32 bit *2	1000BASE-T	144 in/ 144 out	100m	etherCON CAT5e *3

\*1 The number of channels depends on the selected SRC mode.

\*2 32-bit resolution can be selected only when in "144io" mode.

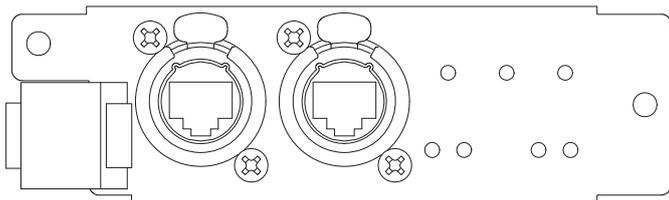
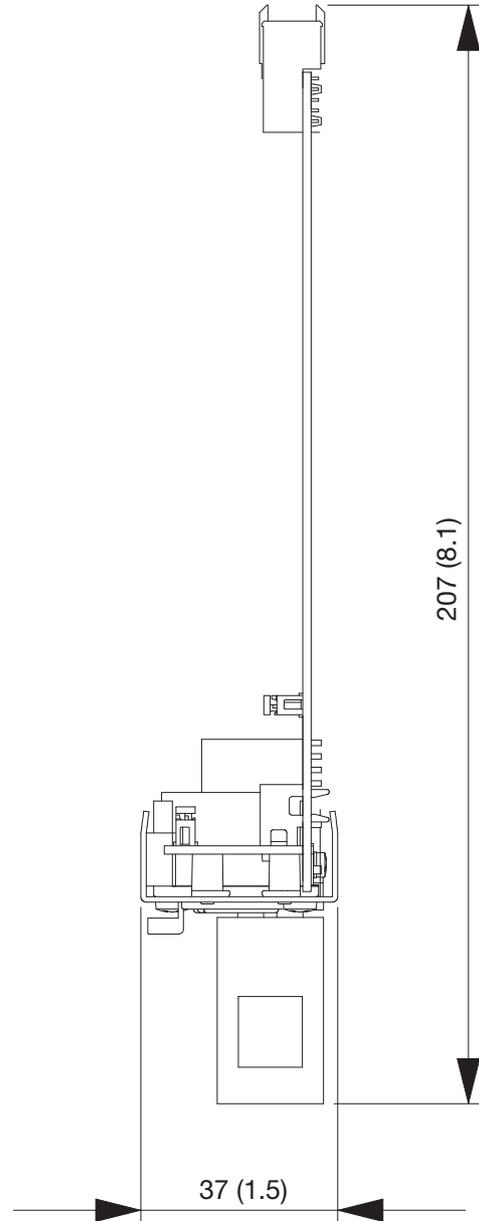
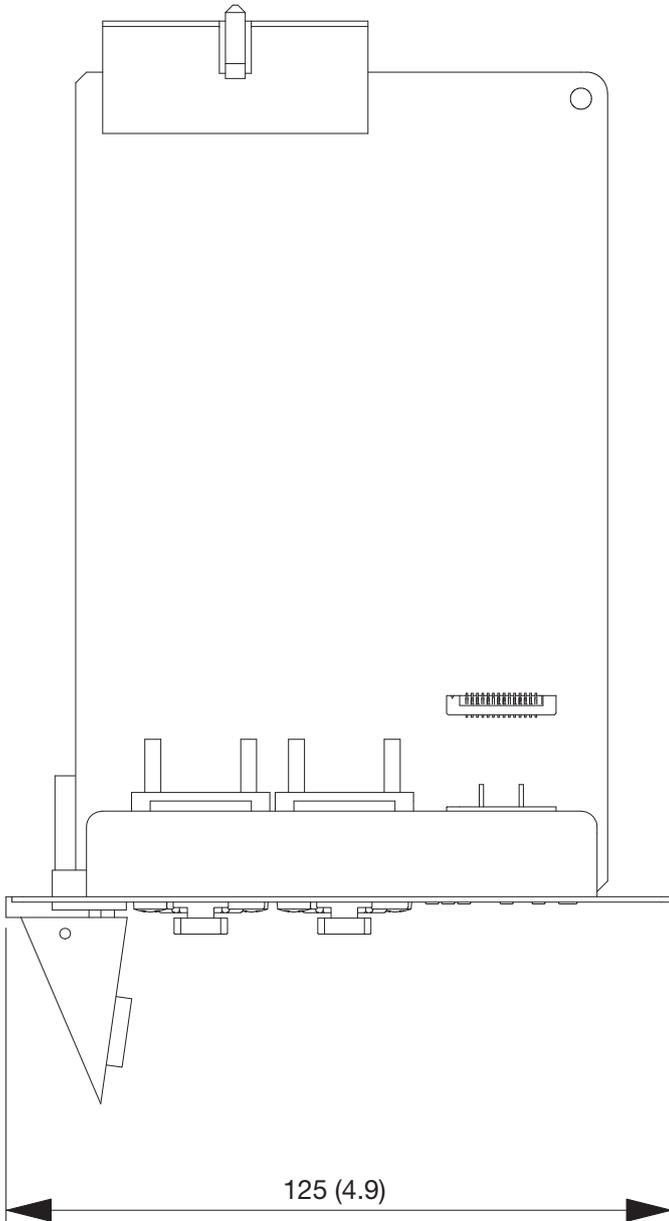
\*3 Use an STP (shielded twisted pair) of CAT5e standard or better.

### Others

<b>Selectable Dante Audio Network Latency</b>	0.25 msec/0.5 msec/1.0 msec/2.0 msec/5.0 msec
<b>Dimensions (W x H x D), Weight</b>	125mm x 37mm x 207mm (4.9" x 1.5" x 8.2"), 0.25kg (0.6lbs)
<b>Accessories</b>	Owner's Manual, Card installation instructions leaflet, Dante Virtual Soundcard Token (leaflet)

**Dimensions**

Unit: mm (inch)



## Architectural and Engineering Specifications

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The Yamaha HY144-D-SRC shall be an Audio Interface Card for use with the Yamaha RIVAGE PM Digital Mixing System. The HY144-D-SRC shall send/recieve uncompressed digital audio signals of 32-bit 96 kHz quality with a maximum of 144 inputs/144 outputs. Redundant connections are supported with primary and secondary connectors and Daisy chain connections are also supported. HY144-D-SRC shall select five operating modes: 144io (SRC off, 144 in/144 out), 144io SyncSRC (SRC on, synchronous, 144 in/144 out), 72io AsyncSRC (SRC on, asynchronous, 72 in/72 out), 144in AsyncSRC (SRC on, asynchronous, 144 in/0 out), 144o AsyncSRC (SRC on, asynchronous, 0 in/144 out). Dimensions shall be 125 (W) x 37 (H) x 207 (D) mm. Weight shall be 0.25 kg.

\*All information subject to change without notice.

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