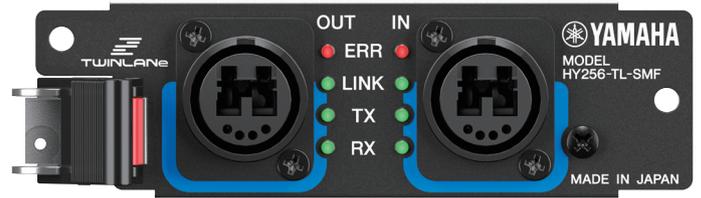


## Overview

The HY256-TL-SMF supports Yamaha's TWINLANe audio network protocol. Up to 256 simultaneous input and output channels at 96 kHz/32 bits are available, and single-mode optical fiber connections allow reliable data transfer over distances of up to 2 kilometers between connections in ring network configurations. Maximum total TWINLANe ring network cable length is 6 kilometers.



## Features

- Can send/receive uncompressed digital audio signals of 32-bit 96 kHz quality, with a maximum of 256 inputs/256 outputs.
- Redundant connections are supported with ring topology.
- Indicators show communication status useful for troubleshooting.
- Recommended cable: Neutrik opticalCON DUO single-mode fiber
- Dimensions (W x H x D): 125 x 37 x 207 mm
- Net Weight: 0.35 kg

## Specifications

### General Specifications

Measured with an RPi0622

### Sampling Frequency

	Conditions	Min.	Typ.	Max.	Unit
Frequency Range	Fs=44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz	-1000	-	+1000	ppm

### 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	Transmission Rate	Number of Channels	Cable Length (Max.)	Connector
TWINLANe IN/OUT	TWINLANe	32 bit	2.125 Gbps Optical	256 in/256 out	2 km *1	OpticalCON DUO

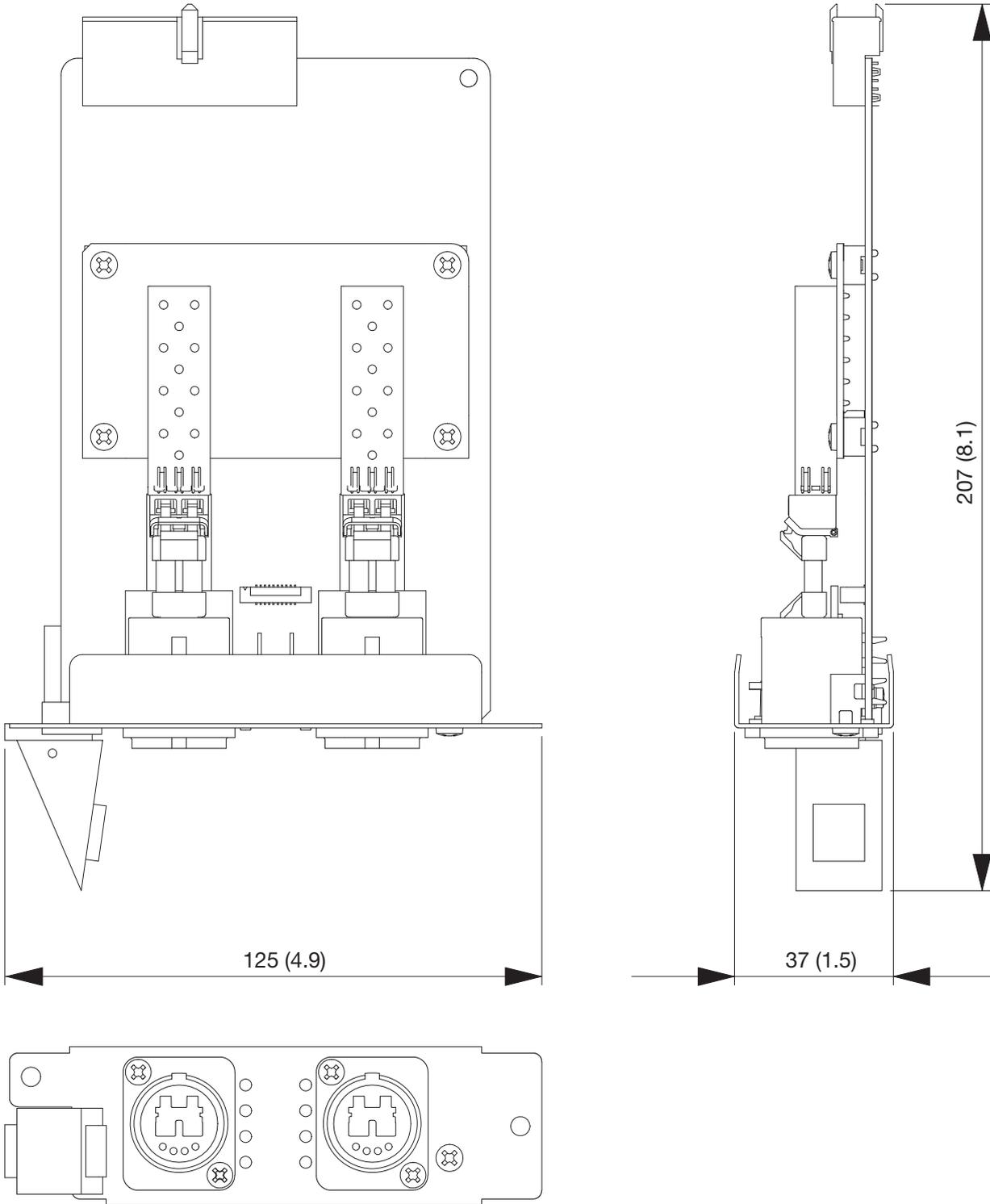
\*1 node-to-node distance

### Others

<b>Dimensions (W x H x D), Weight</b>	125mm x 37mm x 207mm (4.9" x 1.5" x 8.2"), 0.35kg (0.8lbs)
<b>Accessories</b>	Owner's Manual, Card installation instructions leaflet

**Dimensions**

Unit: mm (inch)



## Architectural and Engineering Specifications

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The Yamaha HY256-TL-SMF shall be an Audio Interface Card for use with the Yamaha RIVAGE PM Digital Mixing System. The HY256-TL-SMF shall send/recieve uncompressed digital audio signals of 32-bit 96 kHz quality with a maximum of 256 inputs/256 outputs and single-mode optical fiber connections allow reliable data transfer over distances of up to 2 kilometers between connections in ring network configurations. Redundant connections are supported with ring topology. Dimensions shall be 125 (W) x 37 (H) x 207 (D) mm. Weight shall be 0.35 kg.

\*All information subject to change without notice.

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**YAMAHA CORPORATION**  
P.O.BOX 1, Hamamatsu Japan  
[www.yamaha.com/proaudio/](http://www.yamaha.com/proaudio/)