

Overview

The RPio222 I/O rack features two RY card slots that provide flexible analog and digital I/O configuration and expansion capability for RIVAGE PM series systems employing low-latency TWINLANe networking. Dual power supply units are built in.



Rear Panel

Features

- Two RY card slots that enable you to expand analog inputs and outputs, and/or digital inputs and outputs.
- Two HY card slots that are capable of transmitting/receiving up to 256 ins/outs of digital audio signals/control signals.
- HY card slot 1 features 256 ins/outs, and HY card slot 2 features 128 ins/outs.
- Two mini-YGDAI slots to support various audio formats.
- Dual redundant power supply built-in
- Power consumption: 115W
- Dimensions (W x H x D): 480 x 232 x 491 mm (5U rack size)
- Net Weight: 19 kg

Specifications

General Specifications

Sampling Frequency

		Conditions	Min.	Typ.	Max.	Unit
External Clock	Frequency Range	Fs=44.1kHz, 48kHz, 88.2kHz, 96kHz	-1000	-	+1000	ppm
	Jitter of PLL *1	DIGITAL IN Fs=44.1kHz, 48kHz, 88.2kHz, 96kHz	-	-	10	ns
Internal Clock	Frequency	Word clock:int 44.1 kHz Word clock:int 48 kHz Word clock:int 88.2 kHz Word clock:int 96 kHz	-	44.1 48 88.2 96	-	kHz
	Accuracy	Fs=44.1kHz, 48kHz, 88.2kHz, 96kHz	-50	-	+50	ppm
	Jitter *2	Word clock:int 44.1 kHz Word clock:int 48 kHz Word clock:int 88.2 kHz Word clock:int 96 kHz	-	-	4.5 4.1 2.3 2.1	ns

*1 Input clock jitter must be 1 ns or less.

*2 Measured at the WORD CLOCK OUT connector.

Power Requirements

	Conditions	Min.	Typ.	Max.	Unit
Power Consumption	100-240V 50/60 Hz	-	-	115	W
Heating Value	100-240V 50/60 Hz	-	-	99	kcal/h

Power Cable Length and Temperature Range

	Conditions	Min.	Typ.	Max.	Unit
Powe Cord Length		-	250	-	cm
Temperature Range	Operating Temperature Range	0	-	40	°C
	Storage Temperature Range	-20	-	60	°C

Control I/O Characteristics

Terminal	Format	Level	Connector
WORD CLOCK	IN	-	TTL/75Ω terminated
	OUT	-	TTL/75Ω
NETWORK	IEEE802.3	10BASE-T/100Base-TX	etherCON CAT5 *1
FAULT OUTPUT	NO	-	< DC30V, < 1A
	C *2	-	-
	NC	-	< DC30V, < 1A

*1 STP cables (CAT5 or higher) are recommended for connection.

*2 The C terminal normally short-circuits with the NC terminal, but it short-circuits with the NO terminal in the event that a fault is detected.

Others

Dimensions (W x H x D), Weight	480mm x 232mm x 491mm (18.9" x 9.1" x 19.3") *1, 19kg (41.9lbs)
Accessories	Owner's Manual, AC power cord x 2 *2, Euroblock plug (three-pin)
EIA Rack Mount Size	5U
NC Value	Low mode: NC=15 / High mode: NC=20 *3

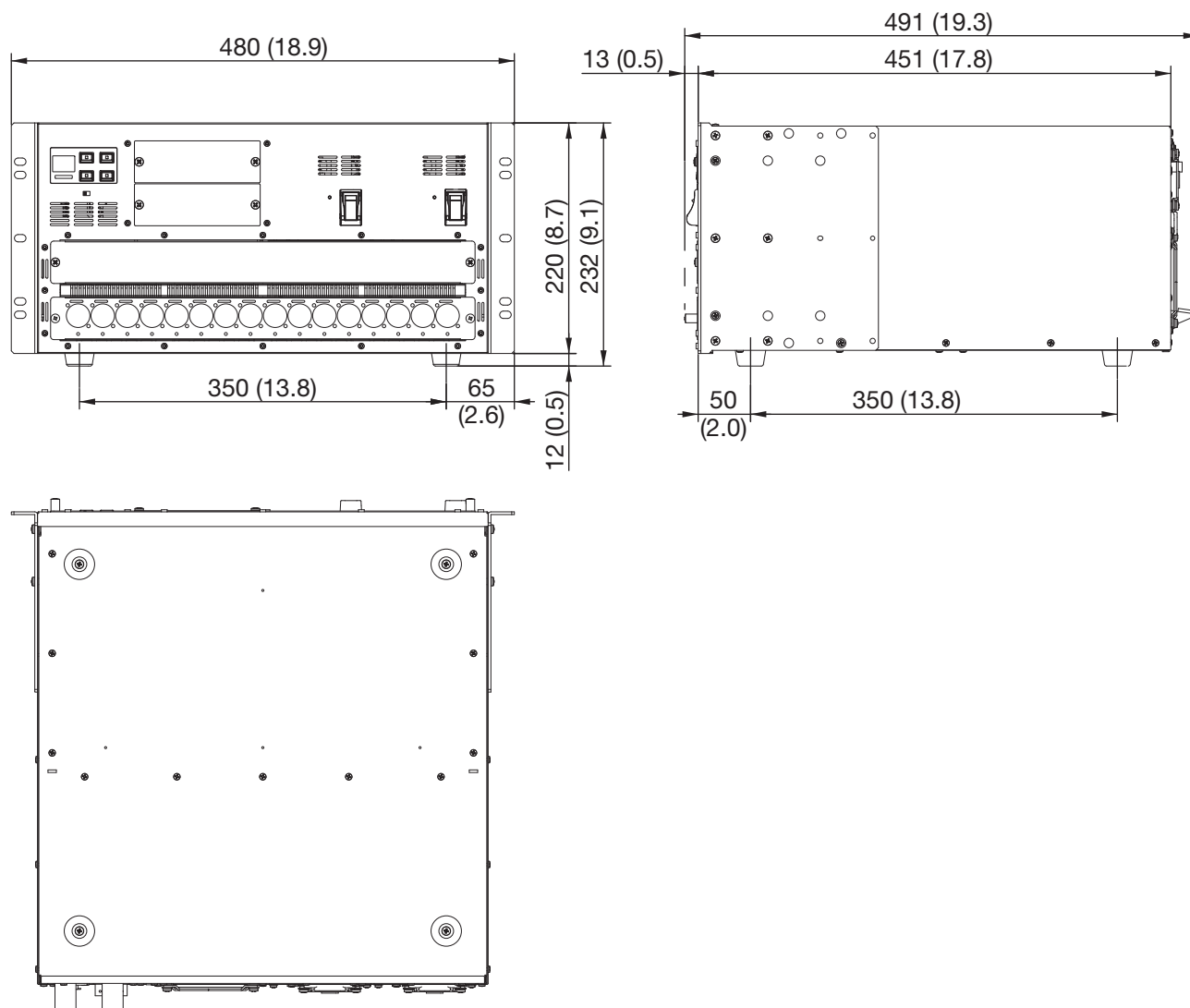
*1 Including the rubber feet.

*2 European model includes two types of four cords.

*3 Measuring position: 100cm away from the unit's from panel.

Dimensions

Unit: mm (inch)



Architectural and Engineering Specifications

The Yamaha RPio222 shall be an I/O Rack for use with the Yamaha RIVAGE PM Digital Mixing System. Local I/O shall include 2 RY card slots that enable you to expand analog and/or digital inputs and outputs, 2 HY Slots that are capable of transmitting/receiving up to 256 ins/outs of digital audio signals and 2 Mini-YGDAI slots to support various audio formats. It shall be Dual redundant power supply and power consumption shall be 115W. Dimensions shall be 480 (W) x 232 (H) x 491 (D) mm. Weight shall be 19 kg.

*All information subject to change without notice.

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