D-Rack
Floor mounted DiGiCo I/O

OVERVIEW

The DiGiCo D-Rack is a 32 input, 8 output rack. It features an output expansion slot for increasing the output count to 16.

KEY FEATURES

32 Mic/Line Inputs at 48kHz or 28 Mic/Line inputs at 96kHz

8 Line Outputs

1 Output expansion card slot for adding 8 outputs

MADI RJ45 Connectivity

Optional Optics

7U Rack Mountable with supplied rackmount kit

Gain Tracking™

Optional Redundant PSUs

Can be used as a standalone rack

DiGiCo SD-Range

The SD-Range caters for everything audio: be it the biggest rock and roll show on the planet, a crucial global broadcast, the most sizeable House of Worship application, or an intimate theatre performance, there is an SD console that will tick the box.

Powerful. Versatile. Smart. Desirable.

TECHNICAL SPECIFICATIONS

CONNECTIONS

32 x XLR Mic/Line Inputs

8 x XLR Line Outputs

1 x Output Expansion Slots

2 x Redundant PSUs (Optional)

1 x MADI RJ45 I/O

1 x MultiMode Optocore Interface (Optional)

1 x USB 2.0 Type B port

SIGNAL PROCESSING

Gain Tracking™

OPTIONS

Upgrade to Redundant PSUs

Optocore Interface (HMA, OpticalCon or ST connectivity)

Upgrade to SingleMode Optocore

Compatible Cards: 8 ch Line Output / 8 ch AES Output / 16 ch Aviom

Replace 8 Mic/Line inputs with 8 channels of AES inputs

The DiGiCo D-Rack shall have 32 inputs and 8 line outputs. There shall be an output expansion slots for adding 8 outputs to the rack. The available output cards shall be an 8 channel line output card, an 8 channel AES output card and a 16 channel Aviom card. If using the Aviom card, it shall also replace the standard 8 line outputs on the rack. The top panel shall have one RJ45 MADI I/O port. At 48kHz, this shall allow access to all inputs and outputs on the rack. At 96kHz, this shall allow access to the first 28 inputs and all outputs on the rack.

There shall also be a USB Type B port and a PSU. The USB port shall allow connection to a computer running DiGiCo Control software. The software shall allow control over Optocore ID and fibre speed, sample rate, input gains, pads and phantom power, and show firmware versions running on the rack.

The DiGiCo D-Rack shall be supplied with a set of rack mount brackets, making it a 7U rack mountable unit. It shall also be equipped with an iscolating transformer to the RJ45 input.

There shall be an option to add a MultiMode Optocore interface to the rack. The Optocore connector type shall be chosen from HMA, OpticalCon on ST. There shall also be an option to upgrade the Optocore interface to SingleMode. There shall be an option to replace 8 of the Mic/Line inputs with 8 channels worth of AES inputs.

The dimensions of the D-Rack shall be: 412 (w) x 179 (d) x 310 (h) mm
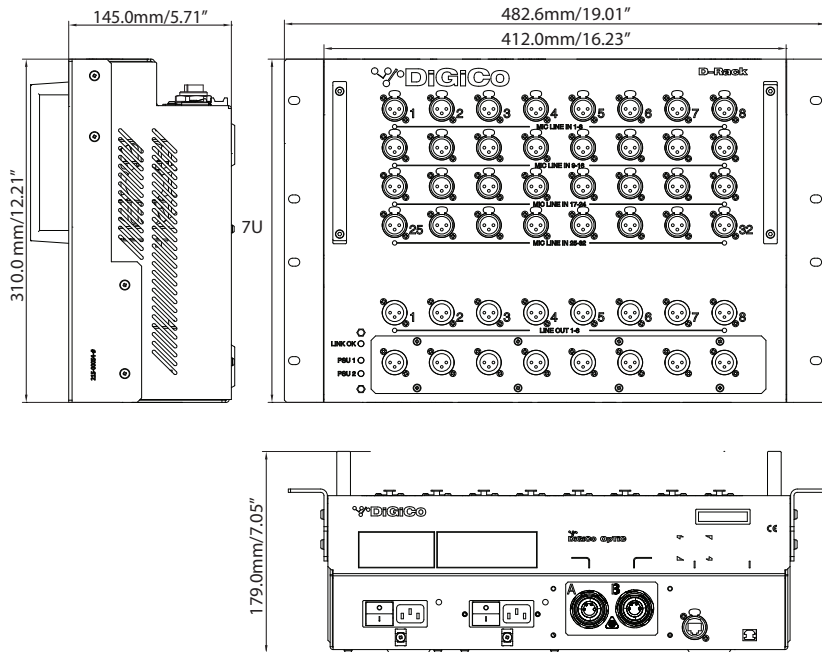The weight of the D-Rack shall be: 10kg

AUDIO SPECIFICATIONS

Sample Rate: 48kHz or 96kHz

Optocore Fibre Speed: 1G or 2G

Crosstalk (100 - 10kHz): >90dB

Analogue Input Frequency Response (10Hz - 20kHz): ±1dB

Analogue EIN (150Ω): 127dB

Dynamic Range: 113dB

Input Impedance: 2500Ω (2650Ω with pad)

CMRR @ 1kHz (150Ω Z_{in}): >71dB

Analogue Distortion @ 30dBFS Gain (100Hz - 10kHz): <0.01%

Phantom Power: 48.3V

Gain Range: -10dB to +60dB

System Delay: ≈2ms @ 48kHz or ≈1.1ms @ 96kHz

Maximum Input Level: +22dBu

Maximum Output Level: +22 dBu

In a world as competitive for engineers as it is for console owners, you want the best tools you can lay your hands on. You also want a console and audio tools as well thought out for every major application as they are designed for the art and science of sound engineering.

LINE DRAWING
All dimensions in mm

PHYSICAL

Dimensions: 412mm (w) x 179mm (d) x 310mm (h)	
Weight: 10kg	
Power Requirements: 88-264VAC, 47-63Hz, 2.8A MAX	
Redundancy: Internal PSUs x 2 (Optional)	
Product Code: X-D-RACK-1 (Single PSU)	
Product Code: X-D-RACK-2 (Dual PSU)	

DiGiCo
www.digico.biz