DATASHEET

4REA4
CENTRALISED DSP

Control, route and mix audio across multi-space venues.

KEY FEATURES

- Control, Route & Mix up to four areas using a single, compact mix engine
- Apply powerful DSP with comprehensive signal processing on each input and output
- Expand with a variety of I/O modules
- 536 x 538 point to point matrix in any combination
- Add a range of input/output units for up to 128 inputs and 56 mix busses
- Connect controllers and expanders using standard CAT5e cable
- Route any signal input to any signal output, area or mix
- Integrate with DiGiCo & 3rd party consoles across a multiroom venue
- Network controllers using standard Ethernet switches and PoE/PoE+
- Provide advanced personal mixing for musicians
- Built in 64 channel Automatic Mic Mixer (AMM)
- Triggerable Audio File playback
- 96kHz Sample Rate

APPLICATIONS

- Performance Venues
- Conference Centres
- Cruise Ships
- Houses of Worship
- Theatre
- Higher Education Auditoria & Seminar Spaces
- Live Music Venues
- Arts, Leisure & Cultural Facilities
- Shared Stages at Festivals
- Broadcast

4REA4 is a revolution in audio mixing for installed sound. Built on DiGiCo's world class reputation for the finest mixing consoles, 4REA4 helps you integrate your systems better than ever before.

The 4REA4 centralised DSP engine is the hub of the system containing powerful signal processing, expansion slots and connectivity to input/output modules, controllers and other consoles.

TECHNICAL SPECIFICATIONS

FRONT PANEL

1 x Ethernet port for control (1000Mbps)

1 x ¼" Headphone socket & volume control

1 x USB2.0 slot

8 x Programmable buttons with LED indication

SIGNAL PROCESSING

128 Inputs (Stereo channels use 2 DSP channels)

48 Mix Busses configurable as :
Mono/Stereo Auxes, Mono/Stereo Groups ,
Mono/Stereo Matrix Busses, Mono/Stereo FX Sends

4 Dedicated Stereo Area Masters

128 x 48 Processing Channels
- HPF/LPF
- 4 Band Parametrics EQ
- Dynamics: Gate, Ducker, Slow Ducker, Manual Peak Compressor
- 2 Insert points per channel
- 341.32ms Input delay
- 682.65ms Output delay
- Graphic EQ on outputs

16 FX Processing
- Reverbs
- Stereo Tap Delays
- Chorus
- Gated Verbs
- Pitch Shifters
- De-Essers
- 4 Band Dynamic EQ's
- 3 Band Multiband Compressor

REAR PANEL

1 x Ethernet port for control (1000Mbps)

3 x 8-Channel SD-Rack I/O card slots for analogue and AES connectivity with up to 32-bit conversion

4 x DMI card slots for MADI, Dante, Optocore, Waves, AES, Mic & AVIOM expansion

4 x A3232 Ports 32 x 32 Channel to connect to remote I/O modules

1 x Dual redundant ASTAR port 128 x 128 channel

Word clock in and out

(IEC) Mains power dual redundant
100-240V 2.1A 50/60Hz

8 x GPI (Switch to ground)
8 x GPO (Relay contacts 10V 500mA)

PHYSICAL

6 RU

482.8 (w) x 380 (d) x 265 (h) mm
19 (w) x 14.96 (d) x 10.43 (h) inches

20.2 kg (NET) (44.53lbs)

90 W Power consumption (per PSU)

402 BTU/h

FRONT PANEL

REAR PANEL

A&E SPECIFICATION All dimensions in mm

The system processor shall operate at 96kHz and provide a 128x56 mix matrix fed from up to 536 inputs. The inputs and outputs shall be made available to the mix engine from card slots supporting up to three SD-Rack cards and up to four DMI cards. Sockets are available for multiple channels of A3232 I/O supporting up to 256 inputs and 128 outputs.

The system processor shall have the following front panel controls and indicators: eight programmable buttons with corresponding LCD displays with programmable text and backlight colours, headphone socket with level control, network port for programming, LCD display for system status.

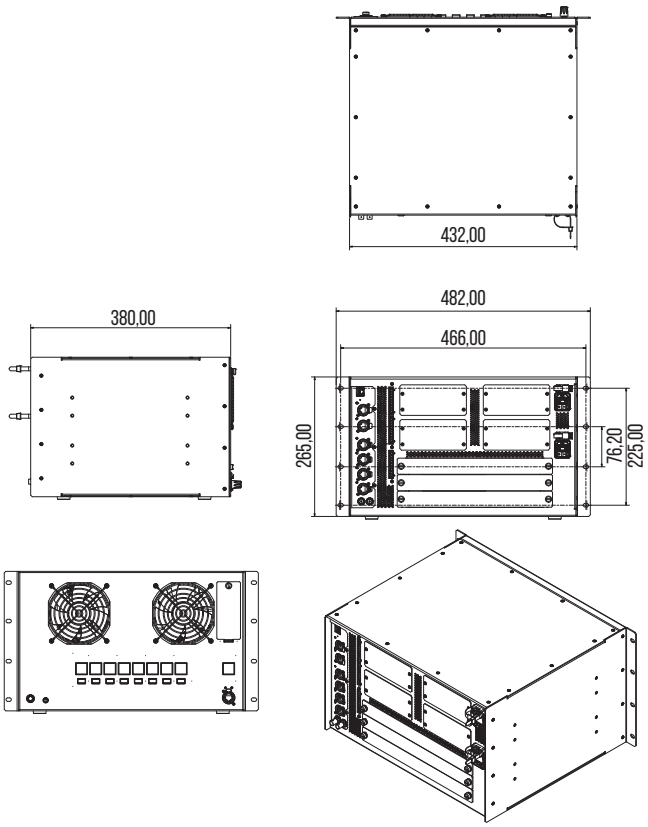
On the rear panel, the system processor shall have: two euroblock / phoenix connectors for general purpose outputs, one euroblock / phoenix connector for general purpose inputs, one network port (RJ45 / Ethercon), two ASTAR connections (RJ45 / Ethercon), four A3232 connections (RJ45 / Ethercon), wordclock input and output (BNC), four DMI slots, three SD-Rack card slots, two switched power supply inputs (IEC C14).

The dimensions of the System processor shall be
482.8 (w) x 380 (d) x 265 (h) mm
19 (w) x 14.96 (d) x 10.43 (h) inches

The system processor shall store a single design which can be separated into a maximum of four independent areas. Each area can have inputs, equalisation, dynamics, routing, mixing and outputs configured independently. The system shall be able to store 800 snapshots, 200 per area, which can be recalled individually or combined into cue lists. The system shall have a built in 64 channel Automatic Microphone Mixer.

The system processor shall support up to 64 controllers, connected over standard Ethernet. The individual controller limits shall be: up to 32 AC1units, up to 16 AC6 units and up to 16 AC8 units.

The system processor and control engine shall be the DiGiCo 4REA4 centralised DSP Engine.



Built on years of live audio experience and working closely with our customers, 4REA4 has been designed to meet the expanding performance requirements of large performance venues, conference centres, cruise ships, houses of worship, theatres, music venues and shared stages at festivals.

DiGiCo HQ
Unit 10 Silverglade Business Park Leatherhead Road, Chessington,
Surrey, KT9 2QL, United Kingdom
info@digiconsoles.com

DiGiCo
www.digico.biz