WORKPRO
SOUND FOR BUSINESS

INTEGRA 16S

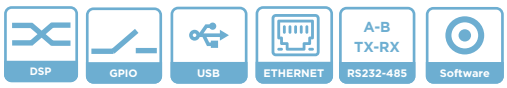
AUDIO MATRIX WITH DSP

Product Information

Key Features

- 16 x 16 Balanced Analog I/O.
- Line/Mic inputs with Phantom power supply.
- Audio Processor IC: 24 bit / 48 kHz ADI SHARC 450 MHz.
- Adaptative feedback control.
- Acoustic echo cancellation.
- Automatic noise supression & gain compensation.
- 4 GPIO ports.
- Audio Mixer.
- USB interface for play & record.
- RS232, RS485, UDP (Ethernet) ports.
- Software control: INTEGRA S (for Windows OS).
- Multi-platform APP control (Android, iOS)
- Dimensions 483 x 44 x 260mm | 3kg





Audio matrix with 16 x 16 balanced analog I/O. The inputs accept line and mic (with +48V phantom power). For its control **INTEGRA 8S** offers a large number of methods. From RS232 & RS485 protocols, 4x configurables GPIO or UDP via Ethernet. All parameters of this matrix can be setup through **INTEGRA S**, a free software which, thanks to its interactive interface, allows the user to configure the signal and the behaviour of the matrix itself, obtaining an individual configuration on each input or output according to the their purpose in the installation.

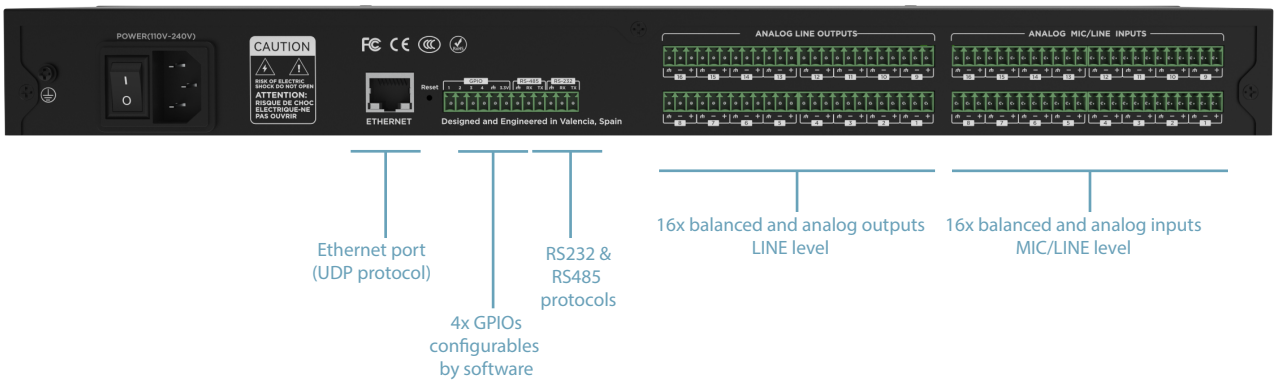
Applications

- Retail & Commerce
- Hospitality
- Industry & Corporate
- Education
- Houses of worship
- Sports Venues

Technical Specifications

Type	16 X 16 Balanced Analog I/O Matrix with DSP		
Sampling rate	48 kHz / 24bit		
Input gain	0 / 6 / 12 / 18 / 24 / 30 / 36 / 42 / 48 dBu	**Input level**	0 / -6 dB
Input type	Balanced Mic/Line. 48v phantom power for condenser microphones		
Frequency response	20 Hz - 20 kHz (± 0.2 dB)	**THD+N (typical)**	<0.003% @ (20Hz-20kHz, 4 dBu)
Input Impedance	9K4Ω (Balanced)	**Output Impedance**	102Ω (balanced)
Maximum level	+24 dBu	**Dynamic range** 110 dB	**Channel isolation** 108 dB @ 1kHz
Control protocols	RS232 / RS485 / UDP (Ethernet)	**Additional port**	USB Type-B (record & play)
Dimensions	**Size (W x H x D)** 483 x 44 x 260mm	**Net Weight** 3kg	
Power Supply	AC 220V 50/60Hz / 30W.		
Connectors	Euroblock (Inputs) | Euroblock (outputs) | RJ45 (Ethernet) | USB-B (record & play) Euroblock (GPIO) | Euroblock (RS232) | Euroblock (RS485)		

Rear View



Control Software

INTEGRA S is the control software for **INTEGRA 16S** configuration. It is free and can be downloaded from our website. Thanks to its intuitive interface, it is possible to modify and set a lot of parameters to adequeate the matrix to the requirements of the installation.
The software allows to act over the next magnitudes:

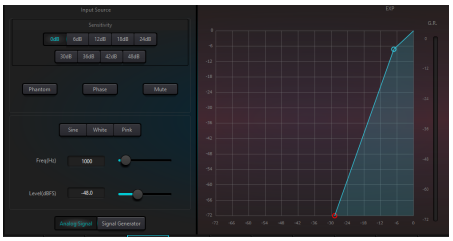
- Input gain
- Expander
- Compressor & Limiter
- Auto Gain Control (AGC)
- Equalizer
- Feedback (AFC)
- Figure Balancer
- SPL
- Share AM (Automixer)
- Echo Canceller (AEC)
- Noise Suppresion (ANS)
- Matrix
- Low & High Pass filters
- Delayer
- Output



Main Setup Screen



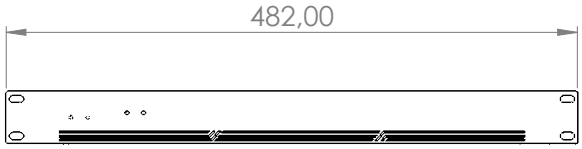
Equalization

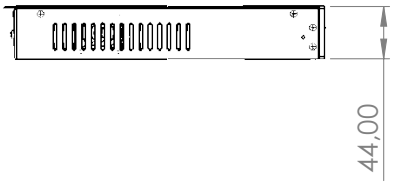


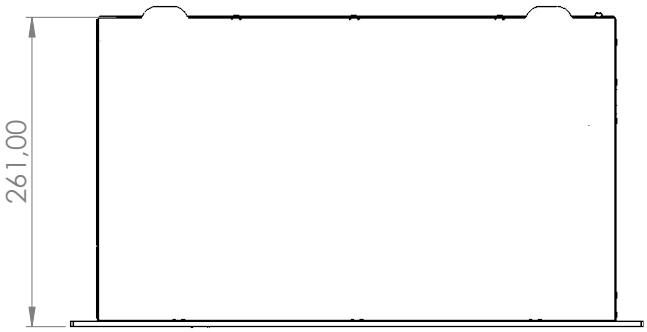
Input gain & Expansor / Compressor /Limiter

Technical Drawings

Dimensions in mm.







Shipping & Ordering

Packaging	Cardboard box (Unit)		
Dimensions	**Weight** 3.7kg	**Size (H x W x D)** 90 x 540 x 340mm	**Volume** 0.016 CBM

References

#58WIN010 INTEGRA 16S

Related Products

#58WIN002 WC 3U Wall-mount controller for INTEGRA Series.



- OLED display
- Encoder
- TCP/IP & UDP communication
- Powered via PoE

Architectural & Engineering Specifications

WORKPRO introduces INTEGRA Series. This matrices series has been designed to address the demands of the audio i ntegration market, introducing a range of ultra-versatile matrices that simplify installations as much as possible.

From corporate installations to entertainment environments, INTEGRA Series effortlessly adapts to a variety of scenarios. Its discreet design blends seamlessly with its impressive power, allowing you to bring an unparalleled experience to every project.

The matrices range of INTEGRA offers a big number of possiblities thanks to, first, with the variaty of I/O. From the 8x8 analog I/O from INTEGRA 8S, passing through INTEGRA 16+ with 8x8 analog + 8x8 with Dante ™ ,and finishing with the most powerful one, INTEGRA 32+ with 16x16 analog + 16x16 with Dante ™ .

All matrices of this range incorporate a big number of control possibilities thanks to their port and protocols: GPIO ports (4 in case on INTEGRA 8S and 8 GPIOs in the rest of devices of this series), RS232 & RS485 ports for external commands, Ethernet port for UDP protocol or external control elements as WC 3U wall-mount or USB interface for play/record purpose.

But the poweful control method of INTEGRA is INTEGRA S & INTEGRA + (depending on the matrix model), as free software that intuitively, allows users to adjust different parameters via a complete interface, obtained a rich and visual audio response, acting in a big number of parameters.

Support & Technical Request

All products features are subject to variations due to production tolerances.
We reserve the right to change specifications or improvements in the design or manufacturing that may affect these product specifications without notice, as a part of our policy to continually improve our products.
For technical queries, please contact with your supplier, reseller, distributor or visit our website www.workpro.es

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