



**The iFlex 2400 is an integrated digital signal mixer and processor with up to 24 field configurable mic/line inputs and 24 field configurable line outputs. The internal signal flow, mixing components, and signal processing and routing components are all custom configurable by the end user. The entire system design is user definable, using Ivie's Sonata software. Control can be through an ever broadening range of Ivie external sensors, and controls. Third party RS-232 and RS-485 control systems and other remote control devices are also compatible with iFlex. Multi box systems can be designed using standard Ethernet protocol connections for control and audio routing between units.**

## FEATURES

- 24 balanced mic/line inputs on Euro-connectors
- 24 balanced line outputs on Euro-connectors
- 12 Logic-I/O ports for remote controls
- RS-485 access for third-party controllers
- RS-232 port for third-party controllers
- USB port for software access
- USB memory stick port for upload/download
- Ethernet port for software access
- Multi-box audio and control via standard TCP/IP
- User-friendly Sonata software for layout/design
- Mix, combine, route, multi-processing, etc.
- Comes with pre-defined simple layout
- CE marked
- RoHs and Weee compliant
- Covered by Ivie's 5 year warranty
- Ability to select, view, control and adjust:
  - mixers: standard, auto, matrix, etc.
  - Filters: PEQ, HP, LP, H shelf, L shelf
  - EQ: graphic and parametric
  - Crossovers: 2, 3, and 4-way
  - Dynamics: comp/limit, ALC
  - Complete matrix routing
  - Special Tap/Source routing
  - Group attachments/controls
  - Delays: 0~22,000 ms total allocatable
  - Controls: level, logic, modes, etc.
  - Meters: bar/level
  - Signal Gen: Sine, pink, white, red

## ARCHITECTS & ENGINEERS SPECIFICATION

The DSP audio platform shall provide 24 balanced mic/line inputs and 24 balanced line outputs on euro-block style connectors. Inputs and outputs shall be analog, with internal 24 bit A/D and D/A converters operating at a sample rate of 48 KHz. All internal processing shall be digital (DSP). Standard Ethernet connections shall allow sharing of controls and digital audio within multi-unit systems.

Software shall be provided for creating, designing and controlling all DSP system components within each hardware unit, or between hardware units. Available system components shall include, but not be limited to, various forms of: mixers, filters, crossovers, equalizers, delays, routers, remote controls, signal generators, meters, sensors and switches. USB or Ethernet communications shall be used for software connection, control, and system configuration. After initial setup, processors may be via input from switches and sensors, or Sonata software, or RS-232/RS-484 control systems, and/or optional remote control devices. The DSP system shall be CE marked and compliant with EU Directive 2002/95/EC. The RoHS directive. Warranty shall be 5 years. The DSP system shall be Ivie iFlex 1280.

**iFlex - 2400 REAR PANEL**



**iFlex - 2400 SPECIFICATIONS**

<b>Inputs:</b>	Up to 24 Analog; electronically balanced on Phoenix/Combicon removable screw connectors	<b>Outputs:</b>	Up to 24 Analog; electronically balanced on Phoenix/Combicon removable screw connectors.
Mic Inputs:	Nominal gain +20dB Electronically switchable between +20dB and +40dB Input impedance 2kOhm	Maximum Output Level:	+19dBu
CMRR: (EIN):	>75dB at 1KHz <-125dBu typ with 150 Ohms source	Frequency Response:	20Hz to 20KHz (+/-1dBdB)
Phantom power:	48V nominal, selectable per input	THD:	<0.01% (20Hz to 20KHz, +10dBu output)
Line Inputs:	Nominal gain -20dB, Input impedance 20k Ohm Max input level:+20dBu	Dynamic Range:	100dB typ. (22Hz to 22KHz unweighted)
<b>Control Ports:</b>	12 inputs and outputs	Crosstalk:	<-75dB
Control Input Voltage:	0 to 10v	<b>Mainframe:</b>	
Control Input Impedance:	10kOhms	Connector:	Standard IEC
Logic Output:	Open Collector, 100mA sink	Mains Voltage:	85-270V AC, 50/60Hz
		Power Consumption:	<75VA
		<b>Dimensions:</b>	
		Size	19 x 13 x 3 1/2 in.
		Weight	12.8 lbs.

WARRANTY (Limited): Ivie iFlex products are guaranteed for five (5) years from date of original purchase against malfunction due to defects in workmanship and materials. If such malfunction occurs, unit will be repaired or replaced (at our option) without charge for materials or labor, if delivered shipping prepaid, to an authorized Ivie service facility. Warranty does not cover finish or appearance items or malfunction due to abuse, modification, lightning, or operation at other than specified conditions. Repair by other than Ivie or its authorized service agencies will void this guarantee. Products are sold on the basis of specifications applicable at the time of malfunction. Ivie shall have no obligation to modify or update product once sold.