



The iFlex 1280 is an integrated digital signal mixer and processor with 12 mic/line inputs and 8 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 every 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

- Compatible with all iFlex products
- 4 Logic-I/O ports for remote controls
- Software access via Ethernet and USB
- 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
- Powered by 110-240V AC
- CE marked
- RoHs 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, Ducking
 - Complete matrix routing
 - Special Tap/Source routing
 - Group attachments/controls
 - Delays: 0~9,200 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 twelve balanced mic/line inputs and eight 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, delays, 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 - 1280 REAR PANEL



iFlex - 1280 SPECIFICATIONS

Frequency response(20 Hz - 20 KHz)	+0/- 0.25dB	Sampling Rate	48 KHz
THD+N (20 Hz - 20KHz)	.01%@10dBV Output	A/D - D/A Convertors (bit rate)	24-bit
Equivalent Input Noise (20 Hz - 20 KHz)	< -125dBu	Phantom Power	48V open circuit 14mA short circuit
Dynamic Range (20Hz - 20KHz, 0dB)	> 108dB	Control Ports:	4 Logic I/O
Crosstalk (channel to channel @ 1 KHz)		Control Network(s):	Ethernet, USB
Line level	< -75dB	Connectors:	RJ45
Mic level	< -75dB	Mainframe:	1U
Input Impedance		Power	110-240V AC
Line (balanced)	30 KOhms	Dimensions	
Mic (balanced)	2 KOhms	height	1.75 inches (44mm)
Maximum Input *	+24dBu	width	19 inches (482mm)
Input Gain Range (6 dB steps)*	0 - 60 dB	depth	11.5 inches (292mm)
Output Impedance (balanced)**	200 Ohms	Weight	7.0 lbs. (3.1 kg)
Maximum Output (balanced)**	+24dBu	Compliances	RoHS directive, CE marked,

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.