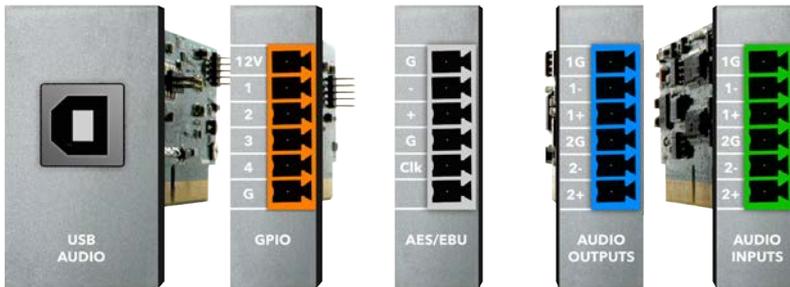


# I/O CARDS

## Solaro I/O Option Cards



The Solaro Series of modular digital signal processors is completely card-based. No wasted I/Os, no wasted budget. Simply pick-and-mix your chosen card configuration, and get busy.

- High degree of flexibility when deciding Input/Output options
- High-quality microphone pre-amps, and 32-bit analog-digital, digital-analog converters across I/O cards
- Four channel GPIO card offers greater flexibility for lower cost when designing complex control and command systems
- User-installed Dante module for Solaro FR1 helps limit costs when Dante™ is not required, and provides greater flexibility when it is
- Drag & drop Xilica Designer software for PC and Mac is used to configure DSP functionality, the modular I/O card configuration and programmable remote controls

## Solaro I/O Option Cards

### PC-2ML-I: Two-Channel Analog Audio Input Card

The PC-2ML-I is a two-channel audio input card for analog signals, complete with 48V Phantom power, switchable per channel. It features high-quality mic pre-amps as standard, alongside selectable microphone gain and line. The PC-2ML-I is equipped with 32-bit analog to digital converters.

### PC-2L-O: Two Channel Analog Audio Output Card

The PC-2L-O is a two-channel audio output card for analog signals, complete with high-quality 32-bit digital to analog converters.

### PC-2AES-IO: Two Channel AES/EBU I/O Card

The PC-2AES-IO is a two-channel digital audio I/O card which features selectable AES/EBU as input or output (per card).

### PC-22USB-IO: Two Channel USB I/O Card

The PC-22USB-IO is a two-channel USB audio I/O card which features two inputs plus two outputs (per card).

### PC-4GPIO-IO: Four Channel GPIO Card

The PC-4GPIO-IO is a four channel GPIO card, with channels selectable as input or output (per card).

### PC-Blanks: Blanking Panels for Empty Card Slots

PC-Blanks are plastic blank panels for empty, unused Solaro Series card slots. Each Solaro Series product includes a blank panel for each card slot as standard.

### MOD-Dante-ETH: Solaro FR1 Optional User-Installed Dante™ Module

For Solaro FR1 products only, Xilica offers the MOD-Dante-ETH module, giving integrators 64×64 send/receive Dante capabilities. Solaro QR1 ships with a 4×4 Dante module as standard, factory-installed. XIO 8 features a 4×4 Dante module by default, whilst XIO 16 offers 32×32 as standard.

## Technical Specifications

### PC-2ML-I: Two-Channel Analog Audio Input Card

Number of channels	2
Input impedance	~2k Ohms
Mic gain	Mic (+42dB gain in 6dB steps)/ Line (0dB) Premium quality Mic pre-amps
Maximum level	+20dBu
Type	Electronically balanced w/ 48V Phantom power
Frequency response	+/-0.15dB (20 to 20kHz)
Dynamic range	110dB typ (unweighted)

CMRR	>50dB @ 1kHz
Crosstalk	<-110dB @ 1kHz
Distortion	0.002% (1kHz @ +4dBu)
Analog converters	High-performance 32-bit
Connectors	6 position Phoenix plug-in 3.81 mm type
Dimensions	2.17"x1.64"x0.47" maximum (55.1x41.7x11.94mm)

### PC-2L-O: Two-Channel Analog Audio Output Card

Number of channels	2
Output impedance	~50 Ohms
Maximum level	+20dBu
Type	Electronically balanced w/ 48V Phantom power
Frequency response	+/-0.15dB (20 to 20kHz)
Dynamic range	110dB typ (unweighted)
CMRR	>50dB @ 1kHz

Crosstalk	<-110dB @ 1kHz
Distortion	0.002% (1kHz @ +4dBu)
Analog converters	High-performance 32-bit
Connectors	6 position Phoenix plug-in 3.81 mm type
Dimensions	2.17"x1.64"x0.47" maximum (55.1x41.7x11.94mm)



### Customer Support

If you'd like to contact us regarding product support or technical designs, email [support@xilica.com](mailto:support@xilica.com) and we'll connect you with a solutions engineer. Alternatively, if you'd like to speak to someone, you can call the following numbers for immediate assistance:

International:	+1 905 770-0055
US Toll Free:	+1 877 767-0234
Europe:	+31 29940-1100
China & Hong Kong SAR:	+852 2604-9382

## PC-2AES-IO: Two-Channel AES/EBU Digital Audio Card (Input Mode)

Number of inputs	2
Sampling rate	48/96/192kHz (Autodetect)
Connectors	6 position Phoenix plug-in 3.81mm type
Dimensions	2.17"x1.64"x0.47" maximum (55.1x41.7x11.94mm)

## PC-2AES-IO: Two-Channel AES/EBU Digital Audio Card (Output Mode)

Number of outputs	2
Sampling rate	48/96/192kHz (Autodetect)
Connectors	6 position Phoenix plug-in 3.81mm type
Dimensions	2.17"x1.64"x0.47" maximum (55.1x41.7x11.94mm)



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## PC-22USB-IO: Two-Channel USB Audio Card

Number of inputs	2
Number of outputs	2
Connectors	USB type B female
Dimensions	2.17"x1.64"x0.96" maximum (55.1x41.7x24.38mm)



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## PC-4GPIO-IO: Four-Channel GPIO Card (Input Mode)

Number of inputs	4
Input type	GPIO Logic or Voltage (software selectable per card)
Logic GPIO	Short to ground to activate
Voltage GPIO	Can sense 0-24V DC, can provide 12V DC

Connectors	6 position Phoenix plug-in 3.81mm type
Dimensions	2.17"x1.64"x0.47" maximum (55.1x41.7x11.94mm)

## PC-4GPIO-IO: Four-Channel GPIO Card (Output Mode)

Number of outputs	4
Output type	GPIO LED or Sink (software selectable per channel)
LED	3mA per output
Source sink	300mA per output

Connectors	6 position Phoenix plug-in 3.81mm type
Dimensions	2.17"x1.64"x0.47" maximum (55.1x41.7x11.94mm)



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