



232/422 16 Port All-In-One & 32 bit Programmable GPIO

15 years of broadcast industry experience

Switch between protocols with a mouse click! This means no more pulling cards from the PC.

Drivers and API Included with full support for Vista, XP, 2000, NT

SMPTE Standards

Used in more than half of all Broadcast facilities in the U.S. as well as many other countries

ROHS Compliant

Other Products

- 2 Serial Ports
- 4 Serial Ports
- 8 Serial Ports
- 2 Serial 32 bit GPIO
- 4 Serial 32 bit GPIO

Blastronix.com

Finally, Boards That Have It All...



16 port Programmable 422/232 Card

- 16 ports -1 PCI slot.
- No switches or jumpers.
- Convenient rack mount interface.
- Works with any application software.
- SMPTE compatible / baud rates to 920k.
- Each port configurable for either RS422 or RS232 operation.

32 bit Programmable GPIO Card

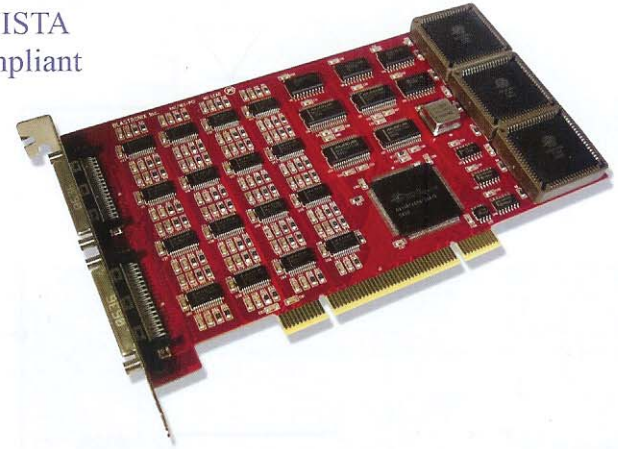
- No jumpers or switches.
- Convenient rack mount interface.
- Automatically accepts 5 or 12 volt inputs.
- Outputs configurable for 5v or 12v operation.
- Interrupt driven to reduce host overhead or polled.
- 32 bits of GPIO that can be programmed as inputs or outputs.
- Very robust! Built-in short circuit and transient voltage protection.
- 50 mA current source and sink capability to drive any type of device.

Blastronix Inc.
Phone: (209) 795-0738
Fax: (209) 795-0646

999 Highway 4
Murphys, CA 95247

All In One 16 port Specifications:

Part Number:9220058
Blastronix Model:.....16 Port PCI
Operating Systems.....Win98, ME, NT, Win2k, XP, VISTA
Businterface:.....PCI-3.3V bus Version 2.2 Compliant
Serial Ports:.....16 ports
SMPTE pin-out:.....DTE device
Transmission speed:.....Up to 920K bps
Dimensions:.....PCI half card
Max Data Distance:.....4000 feet/interface dependent
Operating Temperature:.....0-70 degrees C
Storage Temperature:.....-50-+105 degrees C
Humidity Range:.....10-90% Relative Humidity



General Purpose Input /Output Specifications:

1 INPUT Specifications

- a. $V_{in(max)}$ = 12.4 Volts (Absolute Maximum Rating)
- b. $V_{in(min)}$ = -0.2 Volts (Absolute Minimum Rating)
- c. $V_{IL(max)}$ = 0.8 Volts, I_{IL} = 0.5mA sink current max
- d. $V_{IH(min)}$ = 2.1 Volts, I_{IH} = 1.4mA source current max
- e. Input Low Pass Filter -3db at ~9.1kHz

2 OUTPUT Specifications

$I_{source(max)}$ = 50mA per channel: $V_{OH(min)}$ = 4.0v for 5v configuration
 $V_{OH(min)}$ = 11.0v for 12v configuration
 $I_{sink(max)}$ = 50mA per channel: $V_{OL(max)}$ = 0.4v

a. With the Output configured as a 12 Volt "High" (Source) Output:

- $V_{OH} > 11.4$ Volts with $I_{OH} = 0mA$
- $V_{OH} > 11.3$ Volts with $I_{OH} = 10mA$
- $V_{OH} > 11.2$ Volts with $I_{OH} = 25mA$
- $V_{OH} > 11.0$ Volts with $I_{OH} = 50mA$

b. With the Output configured as a 5 Volt "High" (Source) Output:

- $V_{OH} > 4.4$ Volts with $I_{OH} = 0mA$
- $V_{OH} > 4.3$ Volts with $I_{OH} = 10mA$
- $V_{OH} > 4.2$ Volts with $I_{OH} = 25mA$
- $V_{OH} > 4.0$ Volts with $I_{OH} = 50mA$

c. With the Output configured as a "Low" (Sink) Output:

- $V_{OL} < 0.1$ Volts with $I_{OL} = 0mA$
- $V_{OL} < 0.2$ Volts with $I_{OL} = 10mA$
- $V_{OL} < 0.3$ Volts with $I_{OL} = 25mA$
- $V_{OL} < 0.4$ Volts with $I_{OL} = 50mA$

