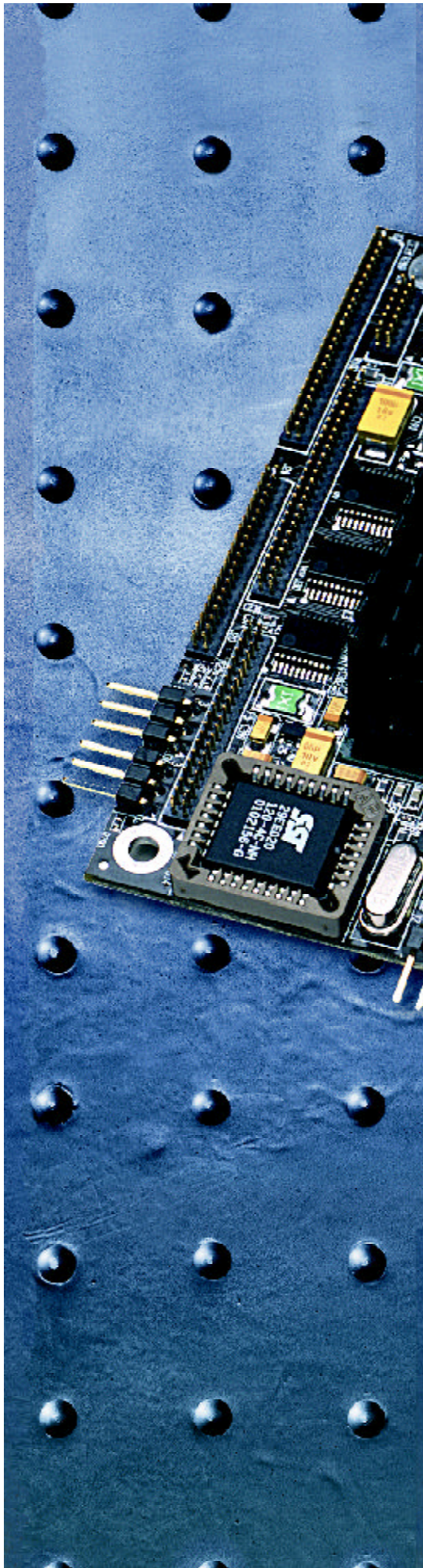


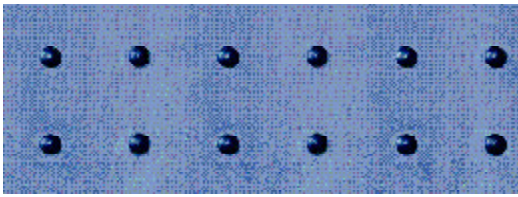
GATOR 550-G™

Low-Power PCI-104 Industrial Controller



- Small Form Factor (3.6"x3.8")
- Low Power Consumption
- Integrated 200MHz x86 compatible processor
- SIS550® Chipset
- Built-in Graphics and Sound
- Five to Eight Year Guaranteed Production





GATOR 550-G™

Low-Power PCI-104 Industrial Controller

The **Gator 550-G™** is a low-power industrial controller based on the compact PCI-104 (3.6"x3.8") platform and the SIS550™ chipset.

PCI-104 is a standard of PC/104 controllers that refers to a module that supports PCI exclusively.

The SIS550 chipset is a high-performance "system on chip" which features an integrated 200MHz x86 processor, one (1) 32-bit PCI-104 expansion, built-in graphics, AC'97 sound, 10/100 ethernet, a 44-pin ATA/100 EIDE connector, USB 1.1, RS232 serial, a parallel port, mouse/keyboard inputs and a floppy controller. These features combined with the Gator 550-G's minimum power consumption and small size makes it a perfect fit for deeply embedded applications.

Target market segments include, but not limited to: Hand-held size and battery-powered applications, information appliances, display controllers, automotive applications and security products.

Optional Breakout Panel

The optional Breakout Panel provides ATX-style I/O expansion to the Gator 550-G (see picture, below right). This connectivity is ideal for integrating the Gator 550-G in standard ATX enclosures or for development purposes.

About the Gator Family

For applications with limited ventilation and space constraints, American Predator offers the Gator Family, a full line of powerful low power designs. These power-conscious solutions provide a new level of efficiency to the industrial environment. Featured applications for low power designs include: small form factor, automobile, military, aerospace, and medical.

Our Commitment to Quality

All American Predator products are designed and manufactured in an ISO 9001:2000 environment and are backed by an extended product life cycle.



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Technical Specifications

Form Factor	PCI-104 (3.6"x3.8")
Microprocessor	Integrated 200MHz x86 compatible processor (Approx. 10W. Can be clocked down to 133MHz for reduced thermals)
Chipset	SIS550® chipset
System Bus	One (1) 32-bit PCI-104 expansion
Onboard I/O	One (1) 44-pin EIDE (ATA 100/66/33) connector (ideal for flash memory disk-on-modules) Two (2) USB 1.1 ports Four (4) RS232 serial ports (One (1) factory configurable to RS422/485) One (1) parallel port PS/2 keyboard/mouse inputs Floppy controller
Video Graphics	Built-in ultra-AGP/VGA accelerator for 2D/video/graphics
Memory	One (1) Micro DIMM 144-pin Socket supports up to 256MB PC133 SDRAM
Ethernet	One (1) 10/100 ethernet port
Sound	AC'97 compatible sound controller
BIOS	AMI®
Battery	Removable lithium battery for CMOS memory
Power Connector	12V single supply
Environmental Specs	Temperature: 0°C to +55°C - operating -40°C to +85°C - non-operatin Humidity: 5% to 95% @ 40°C

	<p>Optional Breakout Panel with Cable Kit 2.2"x6.7" card Utilizes standard ATX I/O shield VGA out RS232 serial port and headers Audio ports Ethernet port and headers USB ports and headers PS/2 keyboard and mouse connectors Connects to Gator 550-G via 50 mil IDC cables</p>
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Designed for Compliance