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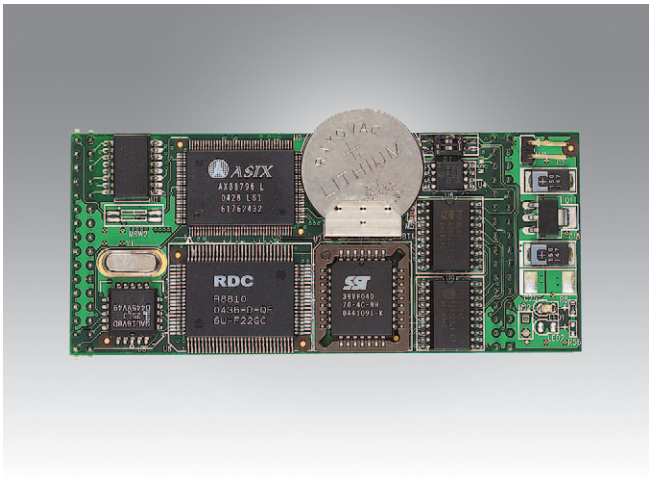
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Find the *Advantech SNMP-1000-E1B2E* at our website: *Click HERE*

SNMP-1000-B

Intelligent SNMP/HTTP System Manager



Features

- Monitoring system fans, temperature, voltage, power supply, CPU fan, CPU temperature, Vcore, watchdog timer, etc.
- Standalone system monitoring: no driver needed, OS-independent
- Remote alarm notification through SNMP/HTTP, e-mail or pager
- Easy status monitoring through Ethernet using a browser
- Highly reliable: function will keep working even if the system or power fails
- Modular design eases system integration and customization

Introduction

The SNMP-1000-B is a platform independent system management module that can detect system operating conditions and notify users to take necessary action to avert system failure through multiple communication protocols. With the SNMP-1000-B installed, system monitoring and management can be integrated into an existing SNMP-based network management environment. The SNMP-1000-B also has a built-in web-based administration interface which allows users to monitor system operation from any place with Internet connectivity. The SNMP-1000-B adds another dimension of reliability to your most critical applications.

Powerful, Easy to Use

The SNMP-1000-B can detect a wide variety of internal system conditions, including temperature, voltage, fan rotation, power supply or CPU operations such as watchdog timer output. Through its I2C interface it can even monitor CPU temperature and voltages of Advantech's full-sized CPU cards. Depending on the alarm severity or user setup, it can generate several different alarm outputs, including SNMP traps, e-mails, paging, acoustic signals, system resets, and digital output. Through the easy-to-use web-based user interface, users can set the alarm criteria and select alarm outputs for each sensor input independently to meet user requirements. The backup battery enables the SNMP-1000-B to perform its alarm function even during total system power failure.

Web-Enabled, No Driver Needed

The onboard 10/100 Mbps Fast Ethernet interface enables the SNMP-1000-B to be connected to your existing network, independent from the system's connection. It supports multiple network protocols such as TCP/IP, SNMP, HTTP and Telnet, allowing you to manage your systems simply by using a web browser. No special software driver is needed thus eliminating compatibility issues with different operating systems.

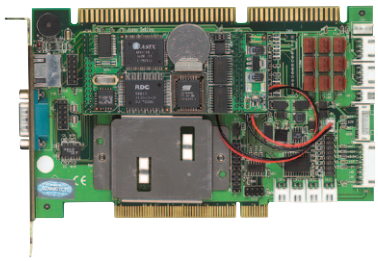
Online Upgrade and Batch Setup

You can upgrade the firmware online by using the included setup utility. There is no need to go to a remote site and disassemble the chassis to collect each SNMP-1000-B module or card for firmware upgrade. The setup utility also supports "batch setup" function, which allows you to save a configuration and duplicate it to many other SNMP-1000-B modules and cards. This function saves tremendous time and effort when you have a number of SNMP-1000-B units installed in your environment.

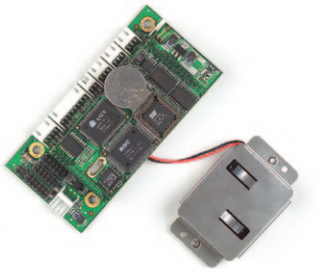
Flexible Modular Hardware Design

The modular design of the SNMP-1000-B allows it to be easily customized to fit into any system. The ultra compact module is only 41 mm wide and 94 mm long (1.61" x 3.70"). It can be mounted on standard or customized carrier boards to plug into any standard PCI/ISA slot.

Optional



SNMP-1000-E1B2E



SNMP-1000-E2B2E

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Firmware Specifications

System Status Monitoring and Management	Real-time health status monitoring: Provides real-time status display in HTTP/Java graphical format
	History log up to 600 records. Data can be downloaded through network or sent by e-mail
	Display alarm event records
Alarm Notification	E-mail: Can set up to 4 addresses to receive e-mails
	SNMP trap: Notify up to 8 SNMP administrators
	Pager notification: Dial out through external modem to send messages to up to 8 pagers
	Audible alarm sound
Supported Protocols	TCP, UDP, IP, ICMP, DHCP, BOOTP, ARP, SNMP, HTTP, Telnet
Management Function	Web-based remote configure, control and monitor
	Remote reset, power down and power up
	Remote digital output signal control
	Remote message display control
	Firmware upgrade from serial port and Ethernet port
	Modem dial in (console mode only)

Sensor Specifications

Voltage	Input	+5 V_{DC}, -5 V_{DC}, +5 V_{SB}, +3.3 V_{DC}, +12 V_{DC}, -12 V_{DC}
Temperature	Input	9 (one for on-board sensor, 8 for external sensors)
	Sensor	LM75
	Interface	I2C
	Range	-30 ~ 125° C (-22 ~ 257° F)
Fan Speed	Input	9 (7 for SNMP-1000-E2B2E)
	Range	700 ~ 10000 rpm
Power	Input	4 (1 for SNMP-1000-E2B2E)
	Range	High > 2.4 V_{DC}, Low < 0.8 V_{DC}
CPU Card Health	Interface	I2C
	Input	CPU Vcore, CPU fan, CPU temperature (up to 2 CPUs), +5 V_{DC}, -5 V_{DC}, VI/O, +12 V_{DC}, -12 V_{DC}
	Compatibility	PCA-6186, 6187, 6008, 6010, 6011, 6012 PCE-5120, 5124, 5125, 5126 AIMB-742
Digital Input/ Output	Input	8 (SNMP-1000-E1B2E only)
	Output	4 (3 for SNMP-1000-E2B2E)

System Specifications

Processor System	CPU	80188 compatible	
Environment	Firmware	512 KB Embedded Flash ROM	
	Memory	512 KB SRAM	
Ethernet	Interface	10/100 Mbps	
Serial Port	Interface	RS-232	
	Baud Rate	9600 bps	
Miscellaneous	Buzzer Support	Yes	
	Detect Time-out Signal of System	Yes	
	Watchdog Timer	Yes	
Battery	Charge Time	3 hr	
	Battery Type	Li-ion	
	Capacity	1800 mAh (fully charged gives 45 ~ 50 minutes operation, depending on system configuration)	
	Battery Life	1 year @ 20° C, 80% capacity after 500 cycles of charge and discharge	
Power Requirements	Typical	5 V @ 550 mA	
		Operating	Non-Operating
	Temperature	0 ~ 60° C (-32 ~ 140° F)	-20 ~ 70° C (4 ~ 158° F)
	Humidity	-	5 ~ 95% RH non-condensing
Physical Characteristics	Dimensions	Kernel module: 40.5 x 93 mm (1.59" x 3.66")	
		Carrier board: 55 x 115 mm (2.17" x 4.53")	
		PCI/ISA I/O extension module: 175 x 107 mm (6.89" x 4.21")	

Ordering Information

Part Number	Description
SNMP-1000-E1B2E	SNMP/HTTP system manager development kit, including the kernel module mounted on a PCI/ISA carrier board, 2 sets of temperature sensors, and cables
SNMP-1000-E2B2E	SNMP/HTTP system manager card for ACP series chassis, including the kernel module * Compatible with Advantech chassis series: IPC-622, IPC-623, IPC-7143, IPC-7220 and all ACP series chassis (except ACP-1010BP with limited condition)

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