

# SPC-530

## 20-slot Rackmount Industrial Server PC



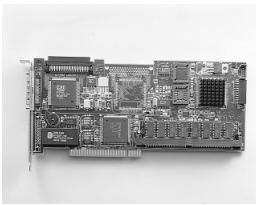
### Features

- 5U, 19" rackmount industrial server PC
- Accommodates 20-slot passive backplane or ATX motherboard
- Provides six front-access half-height disk drives for mass storage capacity. RAID disk array subsystem can also be installed
- Equipped with a hot-swap redundant 400 W ATX power supply to increase system reliability
- Three 86 CFM hot-swap cooling fans installed inside the chassis
- Three LED indicators display system status for power, fan failure and overheating. Audible alarm included

### Introduction

The SPC-530 series is 20-slot, 19" rackmount Industrial-grade server PC. With the proven technologies and features of industrial computers, the SPC-530 enables users to implement a server and RAID subsystem all-in-one solution for industrial-grade server applications.

#### High Expandability to RAID Functions



The SPC-530 series is an ideal combination of a fault-resilient IPC with a RAID solution for data redundancy and mass storage capacity.

The SPC-530 series combined with a RAID card controller forms a RAID to PCI host interface. This combination boasts the following features:

- Provides two Ultra2 Wide SCSI (68-pin) channels on-board
- Automatic bad sector reassignment
- Built-in SCSI terminator
- RAID 0, 1(0+1), 3, 5, NRAID and JBOD
- Auto-rebuilding
- Hot spare drive operation
- Disk hot-swapping
- Support for tape-drives and CD-ROM, for system back-up and software installation
- Bad sector management
- 16 MB data cache
- Complete OS support: MS-DOS, Windows 95/98, Windows NT (x86 and DEC Alpha platforms), NetWare, OS/2, SCO, OpenServer, SCO UnixWare, Sun Solaris and Linux

#### Fault Detection and Alarm Notification

The SPC-530 series' built-in alarm board enables the server PC to warn users whenever any failure occurs in the system. The alarm board gathers all the failure signals from the cooling fan, power supply, enclosure temperature sensor and RAID system, and relays the signals to the system's RAID controller. The controller displays the system's real-time status to users via the SPC-530 series' LED

indicators and the RAID controller's front panel. Also the alarm notifications will be sent to remote host via GUI RAID manager or RS-232 serial port of RAID Controller.

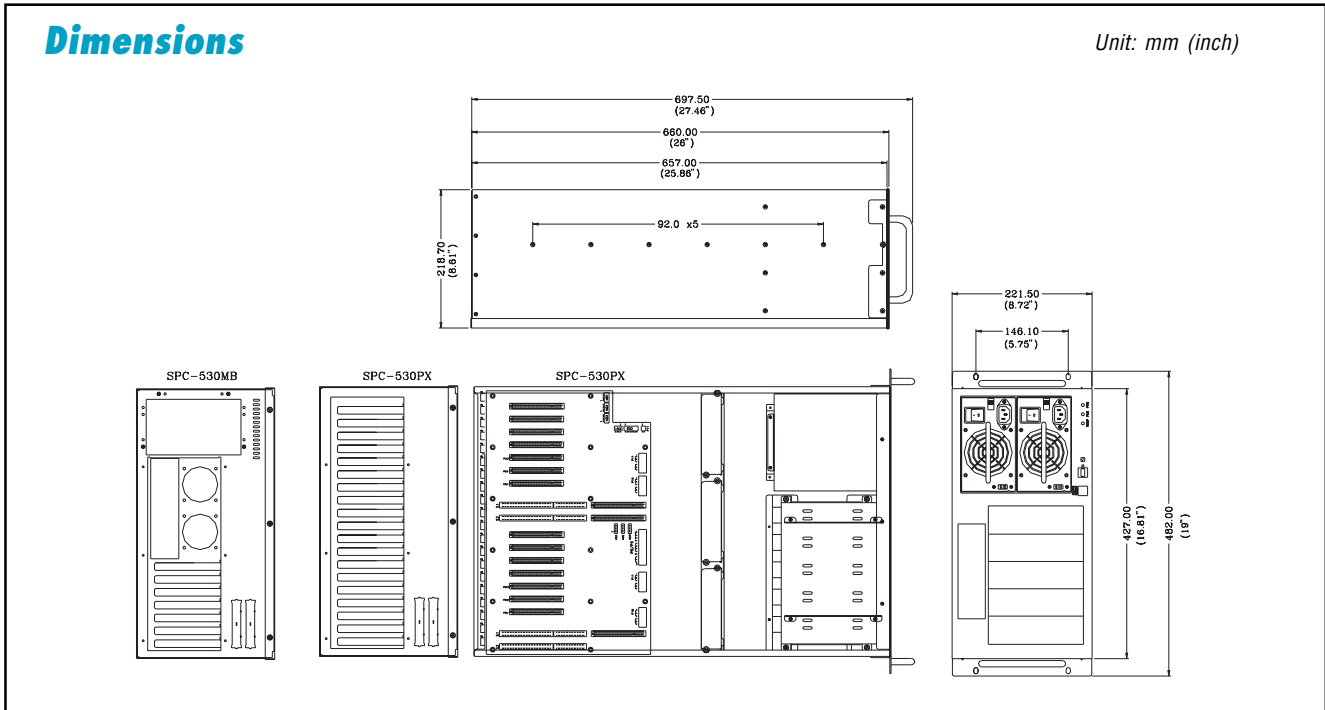
### Specifications

- **Construction:** Heavy-duty steel chassis
- **Disk drive capacity:** Five vertical and one horizontal front accessible half-height disk drives
- **Cooling system:** Three 86 CFM cooling fans inside the chassis
- **Controls:** Power On/Off switch on power supply module in rear panel. Alarm Reset button, CPU Reset button and Soft Power switch all on the front panel
- **Indicators:** Bicolor LEDs (green and red) for power failure, fan failure, and overheating. System power On/Off LED (green)
- **Dimensions (W x H x D):** 482 x 222 x 660 mm (19" x 8.75" x 26")
- **Net weight:** SPC-530MB: 20 kg (44 lb)  
SPC-530PX: 21 kg (46.2 lb)
- **Paint color:** Front panel: Pantone Black 4C 2X  
Chassis: Brushed finish, Ni
- **Operating temperature:** 0 ~ 50° C (32 ~ 122° F)
- **Relative humidity:** 20 ~ 90%
- **CE compliant**

### Versatile Passive Backplane Options

B/P Model Name	Slots per Segment (ISA / PCI / CPU)	Segment(s)
PCA-6120P4	15 / 4 / 1	Single
PCA-6119P7	11 / 7 / 1	Single
PCA-6119P17	1 / 17 / 1	Single
PCA-6120DP4	5 / 4 / 1	Dual
PCA-6118DP7	1 / 7 / 1	Dual





## Power Supply Specifications

Model Name	Specifications				
	Watts	Input	Output	Mini-load	MTBF
RPS-400ATX	400 W	110/220 V <sub>AC</sub>	+5 V @ 42 A +3.3 V @ 20 A +5 V & +3.3 V total 230 W +12 V @ 14 A -5 V @ 1 A -12 V @ 1 A +5 V SB @ 0.75 A	+5 V @ 2 A +3.3 V @ 0.3 A +12 V @ 0.5 A	100,000 hours

UL/CUL/TUV/CE approved



Hot-swappable cooling fan assembly installed on the middle of the chassis.



Front-access and hot-swap redundant 400 W ATX power supply for easy maintenance.

## Ordering Information

Part No.	Description	Equipment			
		Power Supply (400 W ATX redundant)	20-slot Backplane	U2 RAID Card	Five Disk Cartridges
SPC-530MB	SPC-530 chassis for motherboard version	V	-	-	-
SPC-530PX	SPC-530 chassis for backplane version	V	V	-	-
SPC-530MB-M	SPC-530 chassis for motherboard version	V	-	-	V
SPC-530PX-M	SPC-530 chassis for backplane version	V	V	-	V
SPC-530MB-U2C	SPC-530 chassis for motherboard version	V	-	V	V
SPC-530PX-U2C	SPC-530 chassis for backplane version	V	V	V	V

PS. Please refer to page 3-6 to indicate your backplane model to your sales representative while you place orders.