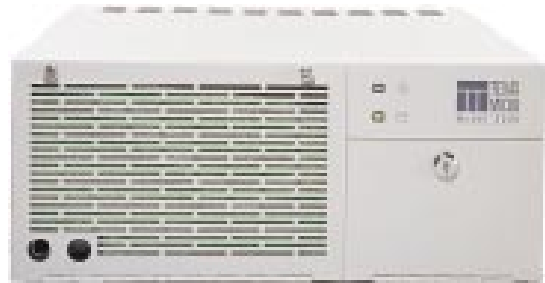




# MODEL 3220 20 SLOT INDUSTRIAL PC/AT COMPUTER CHASSIS RACKMOUNT/TOWER

DOC# 2200



## 7" HIGH INDUSTRIAL RACKMOUNT CHASSIS PROVIDES 20 ISA SLOTS, TWO REMOVABLE MEDIA DEVICES AND OPTIMUM COOLING

Texas Micro Model 3220 Industrial Chassis provides 20 full-length 16-bit AT ISA expansion card slots in a 4U package. It has been designed for use in laboratory, industrial, and telecommunications environments for such applications as data acquisition and voice/fax servers. This sturdy, well cooled, easy to service rackmount chassis is designed for high reliability and high availability of your most critical applications.

## FLEXIBILITY AND EXPANDABILITY

The Model 3220 chassis is based on a terminated passive backplane allowing easy increases to the system's performance by upgrading the CPU or other ISA Bus cards. A 300-watt switchable, 350-watt auto-sensing or 48 VDC 350-watt extended input range (35 - 74 VDC) power supply, each with its own fan, provides power to the backplane and peripheral devices. Storage capacity of the Model 3220 includes up to two 3.5" internal hard drives, one front accessible 3.5" floppy drive, and one front accessible 5.25" half-height removable media peripheral device. All units comply with key U.S. and international safety and emission regulatory standards.

## CHASSIS CHARACTERISTICS

The 3220 Rackmount/Tower chassis is constructed of heavy-gauge painted steel. Special consideration has been taken to provide optimal cooling for each position in the entire card cage, peripheral bay, and power supply. Able to operate under extreme temperature stress, it features a front accessible washable filter and five 42 CFM fans, providing clean positive pressure cooling throughout the chassis. The Model 3220 is designed to withstand elevated shock and vibration during operation.

## KEY FEATURES

- Chassis design provides an EMI/RFI resistant four-layer passive backplane with 20 terminated (16-bit AT) ISA slots
- 300- or 350-watt, 115 VAC or 230 VAC power supplies
- 350-watt, 48 VDC (35 - 74 VDC) power supply
- Washable filter and five fans provide clean forced air for balanced cooling and dust exclusion for all 20 slots and peripherals at 55°C ambient, extending component life
- Controls behind the front panel door include: disk drive activity LEDs, power-on/off LEDs, system reset, and power-on/off switches
- Front and rear panel industry standard DIN keyboard interface connector
- Rackmount or Tower orientation
- One year warranty and complete documentation

Texas Micro Inc., an ISO 9001 certified manufacturer, has been designing and manufacturing industrial computers and components since 1975. A founding member of PCI Industrial Computer Manufacturers Group (PICMG), a standards setting organization for PCI passive backplane technology, Texas Micro developed the industry's first PC compatible computers using passive backplanes. The company offers a full line of rugged rackmount, benchtop, and mobile computer systems, CPU cards and add-on peripherals; and telecommunications/internetworking servers. Texas Micro's products are manufactured in the USA specifically for industrial automation, computer telephony integration, and other mission critical, high reliability applications.

# MODEL 3220 INDUSTRIAL PC/AT COMPUTER CHASSIS

## SPECIFICATIONS

### Physical:

Dimensions — 7" H x 19" W x 22" D  
178 mm H x 483 mm W x 559 mm D  
(from behind front panel)

Construction — Heavy-gauge steel, painted  
Color — Texas Micro Beige, P/N 18831  
Weight — 40 lbs. typical

### Power:

<b>300-Watt (switchable)</b>	<b>350-Watt (auto-switching)</b>
+5 VDC @ 25.0 Amp	+5 VDC @ 50.0 Amp
+12 VDC @ 14.0 Amp	+12 VDC @ 8.0 Amp (12 pk)
-12 VDC @ .5 Amp	-12 VDC @ 4.0 Amp
-5 VDC @ .5 Amp	-5 VDC @ 2.0 Amp
MTBF 50,000 hrs	Open fram industrial power supply MTBF greater than 100,000 hrs

### 350-Watt/48 VDC

+5 VDC @ 50.0 Amp  
+12 VDC @ 8.0 Amp (12 pk)  
-12 VDC @ 4.0 Amp  
-5 VDC @ 2.0 Amp

Wide input range industrial power supply  
MTBF greater than 100,000 hrs

### Input Voltage:

300-Watt Switchable power supply —  
95 to 132 VAC; 180 to 264 VAC at 47 to 63 Hz

350-Watt Auto-switching power supply —  
95 to 264 VAC at 47 to 63 Hz

350-Watt/48 VDC power supply —  
48 VDC (35 - 74 VDC)

### Regulatory Compliance:

Safety — UL 1950  
CUL  
TUV GS MARK

RFI — FCC Certified Class A  
CE MARK to CISPR 22 Class B



### Thermal Cooling:

One power supply fan (26/30 CFM) and five 42 CFM bus cooling fans

### Indicators and Controls:

Front Panel — System reset switch  
(behind Disk drive activity LED  
latchable door) Power on switch & LED

### Expansion:

20-slot (16-bit AT) ISA passive backplane

### Disk Storage:

Internal — Up to two 3.5" hard disks  
Front One 3.5" floppy drive and one 5.25" half-  
Accessible — height removable media peripheral device  
(both behind latched door)

### Keyboard:

Standard 5 pin DIN AT connector on front & rear panel

### Options:

Tower Stand Kit  
Key Lock Kit  
48 VDC Power Input Connector

## ENVIRONMENTAL

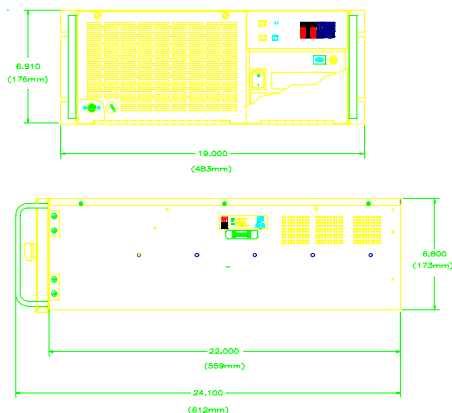
Temperature  
Humidity  
Shock  
Vibration  
Altitude

## OPERATING

0° to 55°C (32½ to 131½°F)  
5% to 95% non-condensing  
1G @ 10ms duration  
.25G @ 5-100 Hz  
0 to 15,000 ft. (4,572 meters)

## NON-OPERATING

0½ to 70½°C (32½ to 158½°F)  
5% to 95% non-condensing  
10G @ 10ms duration  
5G @ 5-100 Hz  
0 to 50,000 ft. (15,240 meters)



## DESCRIPTION

ISA 300W, 115/230 VAC  
(95 - 132VAC or 180 - 264 VAC)  
ISA industrial 350W, 115/230 VAC (95 - 264V)  
ISA industrial 350W, 48 VDC (35 - 74VDC)  
Tower Stand Kit  
Key Lock Kit  
48 VDC Power Input Connector

## MODEL

**3220-300W**  
**3220-350W**  
**3220-48**  
**TSK1**  
**KL2**  
**48CON2**

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