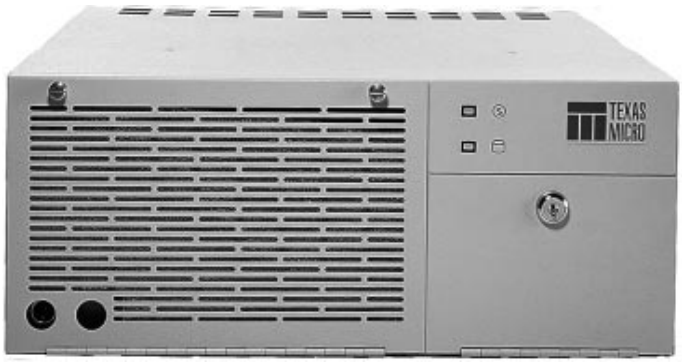
MODEL 3218P
PCI/ISA PASSIVE BACKPLANE RACKMOUNT COMPUTER CHASSIS

DOC #2175



7" HIGH INDUSTRIAL RACKMOUNT CHASSIS PROVIDES 6 PCI AND 11 ISA SLOTS

The Model 3218P chassis provides a high throughput PICMG™ compliant passive backplane with six PCI, one CPU, and eleven ISA slots. The combination of the exceptional I/O performance from the PCI local bus (33MHz with a 32-bit datapath and a burst mode of 132MBytes/sec) and the low cost expansion bus make this chassis ideal for high performance data acquisition, telecommunications, and video/graphic applications.

Encased in a painted heavy gauge steel chassis 7"H x 19"W x 22"D, the Model 3218P is designed to withstand elevated operational shock, vibration, and temperature. Power options include a 75,000 hour mean time between failure (MTBF) 300-Watt switchable power supply, or an open frame industrial, 100,000 hour MTBF 350-Watt auto-switching power supply.

RELIABLE AND SERVICEABLE

The 3218P chassis design allows easy top access to the CPU and controller cards. Front access is provided for one non-removable 3.5" floppy and one 5.25" x 1.63" removable media peripheral. Up to two 3.5" x 1.63" peripherals can be internally mounted. The industrial passive backplane design ensures maximum signal integrity and reduces mean time to repair (MTTR) to as little as 10 minutes.

The Model 3218P chassis is designed and tested to work in environments up to 55°C. Special consideration has been taken to provide optimal cooling for each position in the entire card cage, peripheral bay, and power supply area. Capable of operating under temperature extremes, it features a front accessible washable filter and five 42 CFM fans which provide clean positive pressure cooling throughout the chassis.

Each unit is burned in at 55°C and functionally tested prior to shipment.

KEY FEATURES

- Six PCI local bus slots provide high performance for use with today's high performance CPUs
- One CPU, eleven ISA, and six PCI slots allow for maximum system flexibility
- Up to two 3.5" x 1.63" internal drive bays; one 3.5" and one 5.25" x 1.63" front accessible bay
- Power options include a 300-Watt switchable or a 350-Watt auto-switching power supply
- Filtered, high performance cooling system with five 42CFM fans and one power supply fan
- Card hold down bracket to keep boards in place during vibration or transportation
- Standard latchable door, system locking optional
- One year warranty and complete documentation

Texas Microsystems, an ISO 9001 certified manufacturer, has been designing and manufacturing industrial computers and components since 1975. A founding member of PICMG, they 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 SPARC telecommuications/internetworking servers. Texas Microsystems' products are manufactured in the USA specifically for industrial automation, computer telephony integration, and other mission critical, high reliability applications.

MODEL 3218P INDUSTRIAL PCI/ISA COMPUTER CHASSIS

SPECIFICATIONS

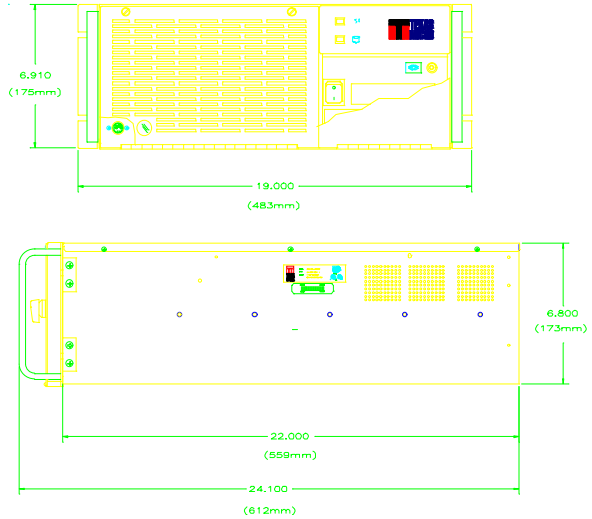
- **Physical:**
  Dimensions - 7" H x 19" W x 22" D
  178mm H x 483mm W x 559mm D
  Construction - Heavy-gauge steel, painted
  Color - Texas Micro Beige, P/N 18831
  Weight - 40 lbs., typical (18.14 Kg)
- **Regulatory:**
  Safety - UL 1950
  cUL
  TUV GS MARK
  RFI - FCC Certified Class A
  CE MARK to CISPR 22 Class B
- **Power:**

300-Watt (switchable)
+5 VDC @ 25.0 Amp
+12 VDC @ 14.0 Amp
-5 VDC @ 0.5 Amp
-12 VDC @ 0.5 Amp
Light industrial power supply, MTBF 70,000 hrs
Input Voltage -
90 to 132 VAC;
180 to 264 VAC, at 47 - 63 Hz

350-Watt (auto-switching)
+5 VDC @ 50.0 Amp
+12 VDC @ 8.0 Amp(12pk)
-5 VDC @ 4.0 Amp
-12 VDC @ 2.0 Amp
Open frame industrial power supply, MTBF greater than 100,000 hrs
Input Voltage -
90 to 264 VAC, at 47 to 63 Hz

- **Thermal Cooling:**
  Five (42 CFM) bus cooling fans and one (26/30 CFM) power supply fan
- **Indicators and Controls:**
  Front Panel - System reset switch
  (behind Disk drive activity LED
  latchable door) Power on switch & LED
- **Expansion:**
  Eleven ISA, six PCI, and one dedicated CPU
- **Disk Storage:**
  Internal - Up to two 3.5" x 1.63" hard disks
  Front
  Accessible - One 3.5" floppy drive and one 5.25" x 1.63" removable media peripheral device (both behind latched door)
- **Keyboard:**
  Standard 5-pin DIN AT connector on front and rear panels
- **Storage Temperature:**
  -20° to 70°C (-4.0° to 158°F)
- **Options:**
  Tower Stand Kit
  Key Lock Kit

ENVIRONMENTAL	OPERATING	NON-OPERATING
Temperature	0° to 55°C (32° to 131°F)	0° to 70°C (32° to 158°F)
Humidity	5% to 95%, non-condensing	5% to 95%, non-condensing
Shock	1G @ 10ms duration	10G @ 10ms duration
Vibration	.25G @ 5 - 100 Hz	5G @ 5-100 Hz
Altitude	0 to 15,000 ft. (4,572 meters)	0 to 50,000 ft. (15,240 meters)



DESCRIPTION	MODEL
PCI/ISA, 300-Watt (90 - 132 Volt)	**3218P-300W**
PCI/ISA International, 300-Watt, (180 - 264 Volt)	**3218PI-300W**
PCI/ISA Industrial, 350-Watt, (90 - 264 Volt)	**3218P-350W**
Tower Stand Kit	**TSK1**
Key Lock Kit	**KL2**

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