



PCI/EISA HIGH PERFORMANCE PASSIVE BACKPLANE CHASSIS

The passive backplane, consisting of three PCI, one CPU, and eight EISA slots, combines the high performance EISA bus and the exceptional I/O performance of the PCI local bus (33MHz with a 32-bit datapath and a burst mode of 132MBytes/sec.) making this chassis ideal for data acquisition, telecommunications, and video/graphic applications.

CHASSIS AND POWER

Encased in a painted heavy-gauge steel chassis 7"H x 19"W x 20"D, the 3512PE is equipped with an autoswitching 250-Watt power supply with an AC input voltage range from 90-264 VAC or a 48 VDC 350-Watt extended input voltage range of 35-74 VDC power supply servicing both U.S. and international power sources.

FLEXIBILITY AND RELIABILITY

The 3512PE chassis design allows easy top access to CPU and controller cards. The removable drive cage also makes servicing a snap. Front access is provided for two 5.25" x 1.63" removable media devices while two 3.5" x 1.0" hard drives may be mounted internally. The industrial PCI/EISA passive backplane design ensures maximum signal integrity and reduces mean time to repair (MTTR) to as little as 10 minutes.

This chassis offers the optimum in flexibility and durability. The passive backplane allows easy upgrading as system requirements change. The rear keyboard connector is routed along the bottom of the chassis to eliminate interference with boards mounted in the backplane. Dual knockouts for DB-9 and DB-25 connectors are located on the rear of the chassis to save I/O bracket space.

KEY FEATURES

- Full function 32-bit address and data busses
- Full support of industry standard expansion boards
- Three PCI, one CPU, and eight EISA slots
- Filtered high performance cooling system
- Positive pressure drive bays
- Card hold-down bracket
- Standard latching door; system-locking optional
- Pre-approved EMI-RFI and safety certifications; U.S. and International
- Burned in at 55°C and system tested before shipment
- High Mean Time Between Failure (MTBF)

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 3512PE 12 SLOT PCI/EISA RACKMOUNT INDUSTRIAL CHASSIS

SPECIFICATIONS

- Physical:**
 Dimensions — 7" H x 19" W x 20" D
 178mm H x 483mm W x 508mm D
 Construction — Heavy-gauge steel, painted
 Color — Texas Micro Beige, P/N 18831
 Weight — 40 lbs., typical (18.14 Kg)
- Regulatory:** (pending)
 Safety — UL 1950
 cUL
 TUV GS MARK to EN60950
 RFI — FCC Certified Class A
 CE MARK to CISPR22B
- Power:**

250-Watt (auto-switching)	350-Watt (48VDC nominal)
+5 VDC @ 32.0 Amp	+5 VDC @ 50.0 Amp
+12 VDC @ 7.0 Amp(14 pk)	+12 VDC @ 8.0 Amp(12 pk)
-5 VDC @ 1.0 Amp	-5 VDC @ 4.0 Amp
-12 VDC @ 1.0 Amp	-12 VDC @ 2.0 Amp

Light industrial power supply with MTBF greater than 75,000 hours @ 25°C

Open frame industrial power supply with MTBF greater than 100,000 hours @ 30°C

Input Voltage
90 to 264 VAC at 47 to 63 Hz

Input Voltage
35 to 74 VDC
- Thermal Cooling:**
 Two (50 CFM) fans for backplane area and one (35 CFM) power supply fan, positive pressure
- Indicators and Controls:**
 Front Panel with see-thru latchable door
 System reset switch
 Disk drive activity light
 Power on/off switch
- Expansion:**
 Three PCI, one CPU, and eight EISA slots
- Disk Storage:**
 Two 5.25" x 1.63" removable media devices, behind door
 Two 3.5" x 1.0" internal fixed disk bays
- Keyboard:**
 Standard 5-pin DIN AT connector on front and rear panels
- Storage Temperature:**
 -20° to 70°C (-4.0° to 158° F)
- Options:**
 Key Lock Kit



ENVIRONMENTAL

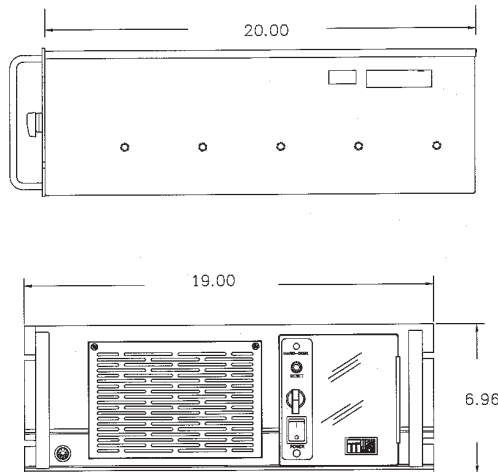
Temperature
Humidity
Shock
Vibration
Altitude

OPERATING

0° to 55°C (32° to 131°F)
5% to 95%, non-condensing
5G @ 10ms duration
.5G @ 5 - 150 Hz
0 to 15,000 ft. (4,572 meters)

NON-OPERATING

0° to 70°C (32° to 158°F)
5% to 95%, non-condensing
10G @ 10ms duration
5G @ 5-150 Hz
0 to 50,000 ft. (15,240 meters)

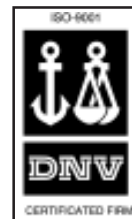


DESCRIPTION

PCI/EISA, 250-Watt, (90 - 264 VAC)
PCI/EISA, 350-Watt, (35 - 74 VDC)
Key Lock Kit

MODEL

3512PE-250
3512PE-48
KL1



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