7" HIGH INDUSTRIAL RACKMOUNT CHASSIS PROVIDES 14 SLOTS, FIVE INTERNAL DRIVE BAYS, TWO REMOVABLE MEDIA DEVICES, AND OPTIMUM COOLING

Texas Micro Model 3214 Industrial Chassis provides versatility and durability in laboratory and industrial environments where ordinary PCs do not operate reliably. It has been designed for use as a server in telecommunications, engineering, and manufacturing environments. This sturdy, well cooled, easy to service rackmount chassis is designed to maintain high reliability and high availability for your most critical applications.

FLEXIBILITY AND EXPANDABILITY

The Model 3214 chassis is available with either a 7x7 split ISA or a 14-slot ISA terminated passive backplane allowing easy upgrading of the CPU and other AT bus standard cards. In addition to providing optimum cooling, this design enables MTTR of 20 minutes. A 300-watt switchable, 350-watt auto-switching or 48 VDC 350-watt power supply provides power to the backplane and disk drives. Storage capacity of the Model 3214 includes up to five 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 Model 3214 Rackmount chassis is constructed of heavy-gauge painted steel. A front accessible washable filter and three 42 CFM fans provide clean positive pressure cooling throughout the chassis. The Model 3214 is designed to withstand elevated shock, vibration and temperature during operation.

KEY FEATURES

■ Chassis design provides an EMI/RFI resistant four layer passive backplane with 14 terminated slots

■ 300- or 350-watt, 115 VAC or 230 VAC power supply

■ 350-watt, 48 VDC (input range 35 - 74 VDC) power supply

■ One 3.5" and one 5.25" removable media peripheral device behind front door. Up to five 3.5" internal drives

■ Washable filter and three fans provide clean forced air for balanced cooling and dust exclusion for all 14 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 AT PS/2 keyboard interface connector

■ Rackmount or Tower orientation

■ One year warranty and complete documentation

MODEL 3214 INDUSTRIAL PC/AT COMPUTER CHASSIS

SPECIFICATIONS

■ **Physical:**

Dimensions —	7" H x 19" W x 22" D
	178mm H x 483mm W x 559mm D
	(from behind front panel)
Construction —	Heavy-gauge steel, painted
Color —	Texas Micro Beige, P/N 18831
Weight —	40 lbs. (typical)

■ **Power:**

300-Watt (switchable)
+5 VDC @ 25.0 Amp
+12 VDC @ 14.0 Amp
-12 VDC @ .5 Amp
-5 VDC @ .5 Amp
MTBF 70,000 hrs

350-Watt (auto-switching)
+5 VDC @ 50.0 Amp
+12 VDC @ 8.0 Amp (12 pk)
-12 VDC @ 4.0 Amp
-5 VDC @ 2.0 Amp
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 63Hz

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

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

■ **Thermal Cooling:**
One power supply fan (26/30 CFM);
Three 42 CFM bus cooling fans

■ **Regulatory Compliance:**

Safety -	UL 1950
	CUL
	TUV GS MARK
RFI -	FCC Certified Class A
	CE MARK to CISPR 22 Class B

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■ **Indicators and Controls:**

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

■ **Expansion:**
14-slot (16-bit AT) ISA passive backplane
7 AT/7 AT split ISA passive backplane

■ **Disk Storage:**

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

■ **Keyboard:**
Standard 5 pin DIN AT connector on front & rear panel

■ **Model 3214S:**
Dual front and rear keyboard connector
Dual system reset switch
Dual disk drive activity LED

■ **Options:**
Tower Stand Kit
Key Lock Kit
48 VDC Power Input Connector

ENVIRONMENTAL

	OPERATING	NON-OPERATING
Temperature	0º to 55ºC (32½ to 131½F)	0½ to 70½ºC (32½ to 158½F)
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
ISA 300W, (95 - 132 VAC or 180 - 264 VAC)	**3214-300W**
ISA 350W, (95 - 264 VAC)	**3214-350W**
ISA 350W, 48 VDC (35 - 74 VDC)	**3214-48**
7/7 split ISA 300W, (95 - 132 VAC or 180 - 264 VAC)	**3214S-300W**
7/7 split ISA 300W, (95 - 264 VAC)	**3214S-350W**
7/7 split ISA 350W, 48 VDC (35 - 74 VDC)	**3214S-48**
Tower Stand Kit	**TSK1**
Key Lock Kit	**KL2**
48 VDC Power Input Connector	**48CON2**