



2010 SERIES

RUGGED INDUSTRIAL COMPUTER CHASSIS



CONFIGURABLE EMBEDDED SOLUTION

The 2010 series is a highly configurable embedded solution designed for the telephony and industrial markets. This compact, rugged 10-slot passive backplane PC/AT chassis is designed for applications where processing power, unattended operation, and limited space are key system requirements. Measuring only 8.70" W x 8.25" H x 18.10" L, the 2010's form factor allows two units to be housed side by side in a 19" rack (shelf required); wall-mount and benchtop mounting systems are also available.

The 2010 features drive capacity for up to three devices. Front access is provided for one 5.25" x 0.5" device and one 3.5" x 1" device; one 3.5" x 1" device can be mounted internally. Peripherals are available from Texas Micro. An assortment of passive backplanes, power supplies, and single board computers can be selected from this product's order menu, providing a large degree of flexibility.

TAILOR IT TO YOUR NEEDS

The 2010 matrix forms a family of products that can be configured to your specific application. By selecting a variety of ISA/PCI backplanes, system-compatible SBC's and peripherals, as well as power supplies and mounting systems, you can tailor the 2010 to your needs. With all expansion slots, the user can configure a powerful, rugged solution for a wide variety of applications. Texas Micro also provides a broad range peripherals, including storage devices, keyboards, monitors, and add-in cards, which may be optionally selected to form a complete and powerful system.

TOUGH STUFF

The 2010 is designed to work in the most demanding environments. All items in the 2010 order entry meet UL, cUL, TUV/GS, FCC-A, and CISPR22 level B requirements. Configured with a Texas Micro qualified SBC, the system will operate in extended-temperature environments. Two 56 CFM fans help ensure sufficient air flow to meet these levels.

The 2010 is built to last. Its 15 G shock and 1 G vibration operating specs make this an extremely rugged chassis for its competitive class. The 2010 is available with a PS2010-250W-AC power supply that provides a 250,000 hour MTBF rating.

KEY FEATURES

- Flexible, Embedded 10-Slot Solution
- All Configurations Are Fully Certified
- Modular, Cost-Effective
 - Passive Backplane Options
 - * 10 Slot ISA
 - * 2 ISA / 2 CPU / 6 PCI
 - * 5 ISA / 2 CPU / 3 PCI
 - * 2 CPU / 8 PCI
 - Power Supply options
 - * 250W-AC Industrial
 - * 250W-48V-DC Industrial
 - * 150W-AC Low Cost
 - Mounting Systems
 - * Benchtop (standard)
 - * Rack (shelf not included)
 - * Wall
 - Numerous Fully Certified Texas Micro Single Board Computers
 - Peripherals and Accessories
- Disk Capacity
 - Front Access: One 5.25" x .5" & One 3.5" x 1"
 - Internal: One 3.5" x 1"
- Controls and Indicators
 - System Power LED
 - Disk Activity LED
 - Power On/Off Switch
 - System Reset Button
- Connectivity
 - AT Keyboard Connector
 - 9-Pin and 25-Pin D-Sub Connector Knockouts
- Two Year Limited Warranty



Texas Micro Inc. designs and manufactures specialized computer systems based on advanced Intel architecture. As the pioneer of PC-compatible computers using passive backplane technology, we offer a wide range of single board computers and systems targeted at telecommunications and industrial automation applications. A founding member of PICMG (PCI Industrial Manufacturers' Group) and ISO 9001 certified, we provide robustly designed and highly available computing solutions that exactly fit our customer's requirements.



2010 SERIES INDUSTRIAL COMPUTER CHASSIS

SPECIFICATIONS

■ Dimensions

8.70" W x 8.25" H x 18.10" L
(220.98 mm x 209.55 mm x 459.74 mm)

■ Construction

Powder coated, zinc plated steel chassis with clamshell design

■ Power Supply

Output:

	+5 VDC	+12 VDC	-5 VDC	-12 VDC	+3.3 VDC
250W-AC	45 A	8 / 10 Pk. A	3 A	3 A	—
250W-DC	45 A	8 / 10 Pk. A	3 A	3 A	—
150W-AC	tbd	tbd	tbd	tbd	tbd

Input:

250W-AC	90 — 264 VAC (universal input), 50 — 60 Hz
250W-DC	tbd
150W-AC	tbd

Note: Total power cannot exceed specified watts ($W=V \cdot A$)

■ Cooling

- Dual 56 CFM fans
- Air filter is removable and washable

■ Front Panel Controls and Indicators

- System power LED
- Disk activity LED
- System reset button

■ Rear Panel Controls and Connectivity

- Power on/off switch
- AT keyboard connector
- 9-pin and 25-pin D-Sub connector knockouts

■ Mounting Systems

- Benchtop (standard)
- Rack (shelf not included)
- Wall

■ Data Storage

- Front access: one 5.25" x .5" and one 3.5" x 1"
- Internal: one 3.5" x 1"

■ Regulatory

- Safety: UL and cUL to UL 1950, and TUV-GS Mark to EN60950
- Emissions: FCC-A, CE Mark, and CISPR22 level B
- EMC Immunity: Per EN50082-2

■ Environmental

	Operating	Non-Operating
Temperature	0 to 55 °C (32 to 131 °F)	-40 to 70 °C (-40 to 158°F)
Humidity	5 — 95% @ 40 °C non-condensing	0 — 95% @ 40 °C non-condensing
Shock	15 G @ 10 ms	30 G @ 10 ms
Vibration	1 G @ 5 — 150 Hz	5 G @ 5 — 150 Hz
Altitude	15,000 ft. (4,572 m)	50,000 ft. (15,240 m)

ORDERING GUIDE

Description	Model
Base Chassis	2010
Rack-Mount Kit	MS2010-RACK
Wall-Mount Kit	MS2010-WALL
250W-AC Power Supply	PS2010-250W-AC
250W-DC Power Supply	PS2010-250W-DC
150W-AC Power Supply	PS2010-150W
10 Slot ISA Backplane	BP10
2 ISA / 2 CPU / 6 PCI Backplane	BP10-C2P6
5 ISA / 2 CPU / 3 PCI Backplane	BP10-C2P3
2 CPU / 8 PCI Backplane	BP10-C2P8

Optional Items

SBC's

- P2000(D)FX
- L5000HX
- P5000HX2(-M)
- PF5000HX(-M)
- PV5000HX2(-M)
- PVN5000HX(-M)
- L486

Peripherals

Accessories



Call for pricing and availability on these components

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