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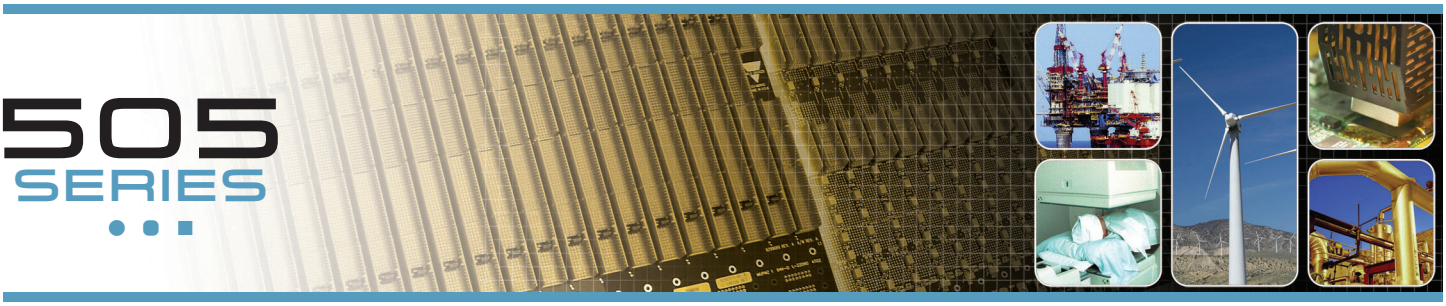
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COMPUTING SOLUTIONS



505 | Series | 9U Rackmount / Benchtop Enclosure

SIE Computing Solutions 505 Series is a configurable, midrange 9U rackmount/ benchtop enclosure for industrial, datacom/telecom, and prototype applications.

The 505 Series is a 19-inch rackmountable/benchtop industrial 14" high - 12" deep chassis that can be configured to meet your needs. There are 21 usable 6U x 160mm front accessible slots and 21 6U x 80mm rear transition slots which allow for a variety of configurations. The chassis is designed to support hot swap, N+1 350w front pluggable power supplies, AC or DC input. A front pluggable positive pressure cooling scheme, providing (3) 12VDC 93cfm fans and tach alarm output provides low MTTR and high reliability. Front panel controls/indicators include a DC inhibit switch and backplane voltage LEDs, Fan Status, as well as an ESD jack. The rear I/O panel includes an AC/DC power switch, ESD jack, and ground stud, designed with telecom and NEBS compliance in mind.

Versatile. Reliable. The 505 Series CompactPCI enclosures are designed to meet the needs of embedded, telecommunications, development, testing, military, and measurement applications.



Features and Benefits

- 15.75"H (9U) x 17"W x 12"D
- 21-Slot 6U x 160mm/6U x 80mm IEEE 1101.10/1101.11 Compliant CompactPCI Subrack
- Hot Swap, N+1 350W Power Options
- Hot Pluggable, Tach Alarm Monitored Fan Tray with 3-93cfm Fans
- Power Monitoring LEDs for CompactPCI Voltages
- Multiple Plug-in Peripheral Options/ Configurations Available

SIE Computing Solutions | 10 Mupac Drive | Brockton, MA 02301 | 1-508-588-6110 | www.sie-cs.com

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505 | Series | 9U Rackmount / Benchtop Enclosure

Design Specifications: 505

Physical
- 15.75" (9U) High
- 17" Wide
- 12" Deep
- .09" Light weight 5052-H32 aluminum
- Black medium texture finish per Fed-STD 595-27038

Backplane
- VME64x 12 slot ABG (with P0 option)
- VME64x 5 slot ABG (with P0 option)
- Vita41 12 Slot ABG
- CPCI 8 slot right justified with H110
- CPCI 2.16 8 slot right justified with H110 (7 node slots and 1 switch fabric slot)
- CPCI 5 slot right justified

Subrack
- Front Loading 6U x 160mm
- Rear Transition 6U x 80mm
- IEEE 1101.10 & IEEE 1101.11 Compliant

Indicators/Controls
- Rear On/Off Power Switch
- Front DC Inhibit Switch
- CompactPCI Power LEDs
- Fan Monitoring LED
- ESD Jack

Rear Panel
- Power input
- Ground Lug
- ESD Jack

Thermal Management
- Monitored hot pluggable fan tray with three 93CFM DC brushless ball bearing fans.
- Front air intake, upper rear exhaust.

Designed to Meet
- NEBS
- FCC Class A/B
- UL1950
- CSA 22.2
- PICMG 2.0 Rev. 3.0
- CE

Peripheral Bay Options
- 12HP X 6U (1-CD-ROM takes up 3 slots)
- 8HP X 6U (1-FLOPPY, 1-HD takes up 2 slots)
- 8HP X 6U (2-HD takes up 2 slots)

Peripheral Cards Supported
- 6U x 160mm 4 to 12hp
- Shielded Front Panels
- Front Accessible and Embedded HDD, Floppy, CD-ROM, DAT, etc.
- Configurable to meet your needs. See options sheet or consult factory.

Reliablity
- MTBF: >50,000 POH
- One-year limited warranty

Power Supply Subsystem
- 6U X 8HP
- Takes up 2 slots
- Input Current: AC 90-264VAC
- Output Current: (see chart below)

400W	600W
+5V @ 50A	+5V @ 50A
+3.3V @ 50A	+3.3V @ 65A
+12V @ 12A	+12V @ 6A
-12V @ 4A	-12V @ 3A



Environmental

	Operating	Storage/Transit
Temperature:	0 to 50°C (32 to 122° F)	-20 to +60°C (-4 to 140° F)
Humidity:	-20 to 90% @ 50°C (122° F) non-condensing	5 to 95% @ 50°C (122° F), non-condensing
Altitude:	15,000 ft. (4,572m.)	50,000 ft. (15,240m.)
Acoustical	< 55 dba Typical	

Part Numbering / Ordering Information:

505 9 x x x x x S K- x x x

Series

Height
9 = 9U = 15.75"

Power Supply
A = 1 AC 400W Power Supply
B = 2 AC 400W Power Supplies
C = 1 AC 600W Power Supply
D = 2 AC 600W Power Supplies

Backplane CPU Slot
NL05 = VME64X 5 Slot ABG (with P0 option)
NL12 = VME64X 12 Slot ABG (with P0 option)
VX12 = VITA 41 12 slot ABG
RX75 = CPCI 5 slot right justified (5V Keys)
RV75 = CPCI 5 slot right justified (3.3V Keys)
RY78 = CPCI 8 slot right justified w/ H110 (5V Keys)
RW78 = CPCI 8 slot right justified w/ H110 (3.3V Keys)
RF78 = CPCI 2.16 8 slot right justified (5V Keys, H110, 7 node slots and 1 switch fabric slot)
RE78 = CPCI 2.16 8 slot right justified (3.3V Keys, H110, 7 node slots and 1 switch fabric slot)

Stocking Unit

6U x 12HP Peripheral Shuttle (takes up 3 slots) Provisions for One 5 1/4" Front Accessible Drive
A= No Shuttle
B= One Shuttle
C= Two Shuttles
D= Three Shuttles

6U x 8HP Peripheral Shuttle (takes up 2 slots) Provisions for One 3 1/2" Front Accessible and one 3 1/2" Embedded Drive
A= No Shuttle
B= One Shuttle
C= Two Shuttles
D= Three Shuttles

6U x 8HP Peripheral Shuttle (takes up 2 slots) Provisions for Two 3 1/2" Embedded Drives
A= No Shuttle
B= One Shuttle
C= Two Shuttles
D= Three Shuttles

19" EIA Rack Adapters Front/Mid mount

5059ARY78FK-ABB is a 505 Series, 9U high with:
- One 400W Plug-in AC Power Supply
- 8-Slot Hot Swap, Right Justified Backplane with H.110 Bussing, and 5V keys installed
- One Embedded Device, and One 6U x 8HP Shuttle for one 3 1/2" Front accessible
- One 6U x 12 HP Shuttle for one 5 1/4" Front accessible device

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