

## KCH-903

4U 19" Chassis 3x5.25" and 2x3.5" Drive Bay w/Iron Handle



### Introduction

The new KCH-900 series is the new improved version of 4U chassis designed for industrial applications. This rugged, all-steel chassis meets the EIA RS-310C 19" rackmount standard. The KCH-900 series allows installation of multiple PC systems in a single chassis that includes not only a serial 14-slots passive backplane but also a more efficient switching power supply in a single fan-cooled chassis. The KCH-900 series will withstand shock, vibration, dust, and a wide range of operating temperatures in harsh industrial environments. The chassis is positively pressurized by one filtered push-pull cooling fans to exclude dust and dirt. A lockable door protects drives and switched from tampering and foreign particles.

### Features

- 19-inch rack mountable chassis which meets the EIA RS-310C standard
- Rugged, steel chassis suitable for industrial environments
- Passive backplane with various choice of 14-slot ISA, 14-slot PICMG
- Standard 250-watt AC AT/ATX power supply, optional redundant – with (2) 300-watt AC ATX hot swappable, 300-watt AC AT/ATX power supply, 400-watt AC AT power supply, 300-watt DC48V
- Easily maintainable disk drive bays that allow mounting of three half-height 5.25" and one half-height 3.5" disk drives accessible from the front door, and one internal half-height 3.5" disk drives
- Lockable door for security
- Adjustable hold-down card clamp to protect add-on cards against vibration.
- One keyboard connector behind front panel and another PS2 keyboard connector at the rear panel
- Reserved 25-pin connectors at the rear panel of the chassis

- Power-on switch with indicator and independent reset switch behind the lockable door
- Hard disk LED indicator
- One 85 CFM cooling fans which dissipate heat in the chassis
- Replaceable and easy-to clean fan filter

## Specification

<b>Physical Dimension (WxDxH)</b>	<b>19 in×17.7 in×7 in (483mm×450mm×177 mm)</b>
<b>Weight</b>	<b>28.16 lbs (12.8kg)</b>
<b>Construction</b>	<b>Heavy-duty steel</b>
<b>Cooling Fan</b>	<b>*Dimensions:</b> <b>120mm×120mm×25mm</b> <b>80mm×80mm×25mm</b> <b>*85 CFM</b> <b>*With Dust Filter</b>
<b>Disk Drive Bay</b>	<b>*Shock-resistant, protecting disk drives against vibration</b>  <b>*Capable of housing up to three half-height 5.25" and half-height 3.5" disk drives which are accessible from the front panel, One internal half-height 3.5" disk drives</b>
<b>Display Indicator</b>	<b>*One built-in power LED indicators</b> <b>*One HDD LED indicators</b> <b>*One temperature LED indicator</b>
<b>Add-on Card Bridge and Card Clamp</b>	<b>Flexible card clamp can protect add-on cards from vibration</b>
<b>Switch</b>	<b>*Power On/Off Switch</b> <b>*Reset Switch</b>
<b>Connector (Front Side): (Rear Side):</b>	<b>*One keyboard connector</b> <b>*One reserved port for 25-pin connector</b>
<b>MTBF</b>	<b>100,000 hrs</b>
<b>Power Safety (250W AC)</b>	<b>UL, CSA and TUV approved</b>
<b>EMI</b>	<b>FCC Class A and CISPR 22 approved</b>
<b>Operating Temp.</b>	<b>0°~45°C (32°~113°)</b>
<b>Storage Temp.</b>	<b>0°~75°C (32°~167°)</b>
<b>Operating Humidity</b>	<b>5% ~ 95%, Non-condensing</b>
<b>Storage Humidity</b>	<b>5% ~ 95%</b>

<b>Altitude</b>	<b>10,000 ft (3,000 m)</b>
<b>Vibration (operating)</b>	<b>1.5G Max</b>
<b>Shock</b>	<b>15G peak acceleration (10 msec duration)</b>

## Backplane Option

CBP-14I

CBP-14P4

CBP-14P7

CBP-14P12

CBP-14DP4

## Power Option

250W AC AT power supply

250W AC ATX power supply

300W AC ATX Redundant power supply

300W AC AT power supply

300W AC ATX power supply

300W DC -48 V power supply

## Rear Panel Option

### B/P Version Rear Panel

- [Outline Drawing](#)
- [3D Drawing](#)

### ATX M/B Version Rear Panel

- [Outline Drawing](#)
- [3D Drawing](#)

## Ordering Guide for B/P & MB

KCH-903-14P4-250	4U 19" Rackmount Server Chassis, w/ 250W AT P/S, w/ CBP-14P4 Backplane
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KCH-903-14P4-300	4U 19" Rackmount Server Chassis, w/ 300W AT P/S, w/ CBP-14P4 Backplane
KCH-903-14P7-250	4U 19" Rackmount Server Chassis, w/ 250W AT P/S, w/ CBP-14P7 Backplane
KCH-903-14P7-300	4U 19" Rackmount Server Chassis, w/ 300W AT P/S, w/ CBP-14P7 Backplane
KCH-903-14P12-250	4U 19" Rackmount Server Chassis, w/ 250W AT P/S, w/ CBP-14P12 Backplane
KCH-903-14P12-300	4U 19" Rackmount Server Chassis, w/ 300W AT P/S, w/ CBP-14P12 Backplane
KCH-903MB	4U 19" Rackmount Server Chassis w/ MB Rear Panel
KCH-903MB-250X	4U 19" Rackmount Server Chassis w/ MB Rear Panel w/ 250W ATX P/S