

# KCH-318

## Industrial Node Chassis



### Introduction

The KCH-318 is a bench top chassis for space-limit application. The wide usage of the chassis fits 8-slot PICMG single system backplane, 10-slot dual-system backplane or BABY AT motherboard. Built with heavy-duty steel, KCH-318 is a sturdy and well-cooled chassis to withstand vibration and high temperature environment. Design of KCH-318 took serious considerations in accessibility for cabling and wiring. It also equips two handy manual screws on top cover to make opening top cover an easy job.

### Features

- 8 slot bench top chassis for space-limit application
- Passive backplane with choice of 8-slot ISA, 8-slot PICMG, 10-slot PICMG dual-system, Baby AT motherboard.
- Standard 250-watt AC AT/ATX power supply, optional redundant – with (2) 250-watt AC AT/ATX hot swappable, 300-watt AC AT/ATX power supply, 400-watt AC AT power supply, 300-watt DC48V
- Two handy manual screws on top cover to make opening top cover an easy job
- Serious considerations in accessibility for cabling and wiring
- Sturdy and well cooled chassis to withstand vibration and high temperature environment
- Power, Hard disk, Keyboard lock LED indicators
- One 42 CFM cooling fan with replaceable front-access air filter

## Specifications

<b>Physical Dimension (W× D× H)</b>	<b>9.45 in× 17.32 in× 10.16 in (240mm× 440mm× 258 mm)</b>
<b>Weight</b>	<b>Net 23lbs (10.5kg); Gross 31lbs (14Kg)</b>
<b>Construction</b>	<b>Heavy-duty steel</b>
<b>Cooling Fan</b>	<b>*Dimensions: (90mm× 90mm× 25mm) 2 pcs 105 cfm max. Ball Bearing Fans *52.5 CFM *With Dust Filter</b>
<b>Disk Drive Bay</b>	<b>*Capable of housing up to one 5.25" and one 3.5" disk drives which are accessible from the front panel, one 5.25" and one 3.5" and disk drives space internal.</b>
<b>Display Indicator</b>	<b>*One built-in power LED indicator *One HDD LED indicator</b>
<b>Switch</b>	<b>*Power On/Off Switch *Reset Switch</b>
<b>Connector (Rear Side):</b>	<b>Two DB9 and Two DB25 Knockouts One keyboard connector</b>
<b>MTBF</b>	<b>100,000 hrs</b>
<b>Power Safety (300W 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°F)</b>
<b>Storage Temp.</b>	<b>0° ~ 75°C (32° ~ 167°F)</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>

## Backplane Option

CBP-8I  
CBP-8P4  
CBP-10P4  
CBP-8P7

## Power Supply Option

- 250W AC AT power supply
- 250W AC ATX power supply
- 250W AC AT Redundant power supply
- 250W AC ATX Redundant power supply
- 300W AC AT power supply
- 300W AC ATX power supply
- 310W DC-48 power supply

## Ordering Guide

KCH-318I-250	Industrial 8 Slots Node Chassis, w/ 250W AT P/S, w/ CBP-8I Backplane
KCH-318I-250X	Industrial 8 Slots Node Chassis, w/ 250W ATX P/S, w/ CBP-8I Backplane
KCH-318I-300	Industrial 8 Slots Node Chassis, w/ 300W AT P/S, w/ CBP-8I Backplane
KCH-318I-300X	Industrial 8 Slots Node Chassis, w/ 300W ATX P/S, w/ CBP-8I Backplane
KCH-318P4-250	Industrial 8 Slots Node Chassis, w/ 250W AT P/S, w/ CBP-8P4 Backplane
KCH-318P4-250X	Industrial 8 Slots Node Chassis, w/ 250W ATX P/S, w/ CBP-8P4 Backplane
KCH-318P4-300	Industrial 8 Slots Node Chassis, w/ 300W AT P/S, w/ CBP-8P4 Backplane
KCH-318P4-300X	Industrial 8 Slots Node Chassis, w/ 300W ATX P/S, w/ CBP-8P4 Backplane
KCH-318P7-250	Industrial 8 Slots Node Chassis, w/ 250W AT P/S, w/ CBP-8P7 Backplane
KCH-318P7-250X	Industrial 8 Slots Node Chassis, w/ 250W ATX P/S, w/ CBP-8P7 Backplane
KCH-318P7-300	Industrial 8 Slots Node Chassis, w/ 300W AT P/S, w/ CBP-8P7 Backplane
KCH-318P7-300X	Industrial 8 Slots Node Chassis, w/ 300W ATX P/S, w/ CBP-8P7 Backplane