

# Industrial Computer Chassis

As a leading hardware provider in embedded SBC, IEI offers complete industrial computer chassis from ATX/microATX/Mini-ITX support chassis to 1U~7U chassis to support different embedded single board computers, and provides flexibility and scalability for industrial applications. Customers can choose different platform to integrate and fulfil different demanding application and vertical application.

## 1. SBC Embedded System



Model Name	ECN-380A Series	ECN-360A Series	ECW-281B Series
MB Model No.	NANO Series (EPIC SBC)*	NANO Series (EPIC SBC)*	WAFER Series (3.5" SBC)*

\*Please refer to the ECN & ECW datasheets for the NANO & WAFER support list.

## 2. Embedded Chassis Series

**New**



Model Name	BRICK-KINO BRICK-WAFER/NANO	EBC-3220	EBC-3200	EBC-3100 / EBC-3000
MB Model No.	KINO Series (Mini-ITX)* WAFER Series (3.5" SBC)* NANO Series (EPIC SBC)*	KINO Series (Mini-ITX)*	KINO Series (Mini-ITX)*	KINO Series (Mini-ITX)*



Model Name	EBC-3300	EBC-2200	EBC-2100	EBC-1100
MB Model No.	tKINO Series (Mini-ITX)	NANO Series (EPIC SBC)*	NANO Series (EPIC SBC)*	WAFER Series (3.5" SBC)

\*Please refer to the EBC datasheets for the support list.

## 3. Industrial Computer Chassis



Model Name	RACK-1150G 1U	RACK-220G 2U 6-slot	RACK-360 4U 14-slot
MB Model No.	Full-size CPU card	Full-size CPU card microATX, Mini-ITX	Full-size CPU card ATX, microATX, Mini-ITX

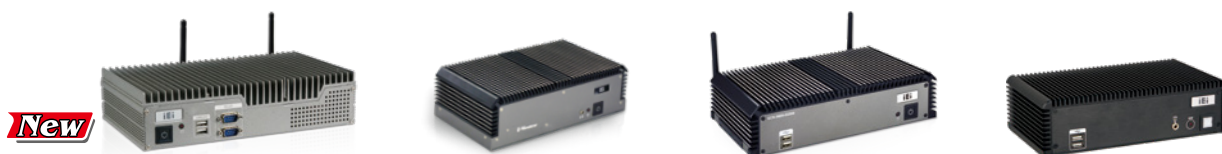


Model Name	ECA-300	ECA-200	ECA-100
MB Model No.	ATX/mATX	mATX	ATX/mATX



Model Name	PAC-125G 10-slot	PAC-700G 7-slot	PAC-53GH 3-slot
MB Model No.	Full-size CPU card	Half-size CPU card	Half-size CPU card

# SBC Embedded System



Model Name		ECN-380-QM87	ECN-360A-ULT3	ECN-360A-D2550	ECW-281B-BT
Chassis	Color	Silver	Black	Black	Black
	Dimensions (WxDxH) (mm)	265 x 134 x 56.7	255 x 130 x 75	255 x 130 x 63	229 x 132 x 64
	System Fan	Fanless	Fanless	Fanless	Fanless
	Chassis Construction	Aluminum alloy with heavy duty metal	SECC	SECC	Aluminum alloy with heavy duty metal
Motherboard	Motherboard Model	NANO-QM871-i1	NANO-ULT3	NANO-CV-D25502	WAFER-BT-i1
	SBC Size (mm)	EPIC (165 x 115)	EPIC, 165 x 115	EPIC (165 x 115)	3.5", 146 x 102
	CPU	Intel® Core™ i5-4400E 2.7 GHz Intel® Celeron® 2000E 2.2 GHz	Intel® Core™ i5-6300U Intel® Celeron® 3855U	Intel® Atom™ D2550 dual-core 1.86GHz	Intel® Celeron® J1900 quad-core 2.42GHz
	Chipset	Intel® QM87	N/A	Intel® NM10	SoC
	System Memory	One 204-pin DDR3 4GB SO-DIMM pre-installed (system max: 8GB)	2 x 260-pin 2133/1866 MHz dual-channel DDR4 SO-DIMMs support up to 32GB Pre-install 4GB DDR4	1 x 204-pin DDR3 SDRAM SO-DIMM (system max: 4 GB) Pre-installed 2 GB DDR3 memory	1 x 204-pin 2 GB 1066/1333 MHz single-channel DDR3L SO-DIMM (system max. 4 GB)
IPMI	iRIS Solution	1 x iRIS-1010	N/A	N/A	1 x iRIS-1010-R10
Storage	Hard Drive	2 x 2.5" SATA 6Gb/s HDD/SSD bay	2 x 2.5" SATA HDD bay (No RAID support)	1 x 2.5" SATA HDD bay	1 x 2.5" SATA 3Gb/s HDD bay
	CF Card/CFast	N/A	N/A	N/A	N/A
I/O Interfaces	USB 3.1 Gen 1	2	4	0	1
	USB 2.0	4	N/A	6	3
	Ethernet	2 x RJ-45 LAN1: Intel® I217LM PHY with Intel® AMT 9.0 support LAN2: Intel® I210-AT PCIe controller	LAN1: Intel® I219-LM LAN2: Intel® I211-AT	2 x Realtek RTL8111E with ASF 2.0 support	LAN 1: PCIe GbE by Intel® I210 controller LAN 2: PCIe GbE by Intel® I211 controller
	COM Port	2 x RS-232	1 x RS-232/422/485 2 x RS-232	3 x RS-232 1 x RS-422/485	3 x RS-232 1 x RS-422/485
	Digital I/O	N/A	8-bit digital I/O	N/A	8-bit digital I/O (4-bit input, 4-bit output)
	Display	2 x HDMI, 1 x VGA	2 x HDMI	2 x VGA	1 x VGA
	Resolution	VGA: Up to 1920x1200@60Hz HDMI: Up to 2500x1600@60Hz	HDMI: up to 4096x2160@24Hz	VGA: Up to 1920 x 1200@60Hz	VGA: 2560x1600@60Hz
	Audio	1 x Line-out, 1 x Mic-in	1 x Line-out	1 x Line-out	1 x Line out
	Wireless	1 x 802.11b/g/n	2 x 802.11b/g/n (optional)	1 x 802.11b/g/n	1 x 802.11b/g/n
Expansions	PCIe Mini	1 x Full-size PCIe Mini (supports mSATA, SATA 6Gb/s signal only) 1 x Half-size PCIe Mini (only for iRIS-1010)	1 x Full-size PCIe Mini card slot (with SIM holder & mSATA support) 1 x Half-size PCIe Mini card slot	1 x Full-size (supports mSATA) 1 x Half-size	1 x Full-size PCIe Mini card slot (supports mSATA) 1 x Half-size PCIe Mini card (only for iRIS)
Power	Power Input	DC Jack: 12 V DC 3-pin terminal: 9 V~36 V DC	DC 12V (Optional 9~36V) Power 1: DC jack Power 2: Terminal block (for optional 9~36V only)	9 V~36 V DC Power 1: DC Jack Power 2: Terminal block	DC jack: 12 V DC 3-pin terminal: 9 V~36 V DC
	Power Consumption	12 V@4.6 A (Intel® mobile Core™ i5-4400E CPU with 4GB 1333MHz DDR3 memory)	12 V@2.4 A (Intel® i5-6300U with 4GB DDR4 memory)	12 V@1.59 A (Intel® Atom™ D2550 CPU with 2GB DDR3 memory)	12V@1.45A (Intel® Celeron® J1900 CPU and one 8 GB 1333 MHz DDR3 memory)
Reliability	Mounting	Wall mount, VESA 100	Wall mount, VESA 100	Wall mount, VESA 100	Wall mount, VESA 100
	Operating Temperature	-20°C ~60°C with air flow (SSD), 10% ~ 95%, non-condensing	-20°C~60°C with air flow (SSD), 5% ~ 95%, non-condensing	-10°C~60°C with air flow (SSD), 5% ~ 95%, non-condensing	-20°C~60°C with air flow (SSD), 10% ~ 95%, non-condensing
	Operating Shock	Half-sine wave shock 5G, 11ms, 3 shocks per axis			Half sine wave 5G, 11ms 3-axis (non-operational)
	Operating Vibration	MIL-STD-810F 514.5C-2 (with SSD)	MIL-STD-810F 514.5C-2 (with SSD)	MIL-STD-810F 514.5C-2 (with SSD)	MIL-STD-810F 514.5C-1 (HDD)
	Weight (Net/Gross)	2.4 kg/4.2 kg	2.2 kg/3 kg	2.2 kg/3 kg	2.1 kg / 3.9 kg

\*Systems with hard drive meet MIL-STD-810F 514.5C-1 specifications. SSD/CF systems meet MIL-STD-810F 514.5C-2 specifications.

# ECN-380-QM87

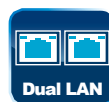
■ Intel® Core™ i5/Celeron® CPU

■ Triple Video Outputs



## Features

- Intel® Core™ i5/Celeron® CPU
  - » Intel® Core™ i5-4400E 2.7 GHz/Celeron® 2000E 2.2 GHz
- Triple video outputs
  - » 2 x HDMI + VGA
- Two 2.5" SATA 6Gb/s HDD/SSD drive bays



## Specifications

Model Name		ECN-380-QM87
Chassis	Color	Silver
	Dimensions (WxDxH) (mm)	265 x 134 x 56.7
	System Fan	Fanless
	Chassis Construction	Aluminum alloy with heavy duty metal
Motherboard	Motherboard Model	NANO-QM871-i1
	SBC Size (mm)	EPIC, 165 x 115
	CPU	Intel® mobile Core™ i5-4400E with AMT 9.0 support (up to 2.7GHz, dual-core, 3MB cache, TDP=37W) Intel® mobile Celeron® 2000E (up to 2.2GHz, dual-core, 2MB cache, TDP=37W)
	Chipset	Intel® QM87
	System Memory	One 204-pin 4GB DDR3 SO-DIMM pre-installed (system max: 8GB)
IPMI	iRIS Solution	1 x iRIS-1010 (optional)
Storage	Hard Drive	2 x 2.5" SATA 6Gb/s HDD/SSD drive bay
I/O Interfaces	USB 3.1 Gen 1	2
	USB 2.0	4
	Ethernet	2 x RJ-45 LAN1: Intel® I217LM PHY with Intel® AMT 9.0 support LAN2: Intel® I210-AT PCIe controller
	COM Port	2 x RS-232
	Display	2 x HDMI, 1 x VGA
	Resolution	VGA: Up to 1920 x 1200@60Hz HDMI: Up to 2560 x 1600@60Hz
	Audio	1 x Line-out, 1 x Mic-in
	Wireless	1 x 802.11b/g/n (optional)
Expansions	PCIe Mini	1 x Full-size PCIe Mini (supports mSATA, SATA 6Gb/s signal only)* 1 x Half-size PCIe Mini (only for iRIS-1010)
Power	Power Input	DC jack: 12 V DC 3-pin terminal: 9 V~36 V DC
	Power Consumption	12 V@4.6 A (Intel® mobile Core™ i5-4400E with 4GB 1333MHz DDR3 memory)
Reliability	Mounting	Wall mount, VESA 100
	Operating Temperature	-20°C ~60°C with air flow (SSD), 10% ~ 95%, non-condensing
	Storage Temperature	-30°C ~70°C with air flow (SSD), 10% ~ 95%, non-condensing
	Operating Shock	Half-sine wave shock 5G, 11ms, 3 shocks per axis
	Operating Vibration	MIL-STD-810F 514.5C-2 (with SSD)
	Weight (Net/Gross)	2.4 kg/4.2 kg

\* ECN-380-QM87i-WD-QGW without Full-size PCIe Mini Card slot expansion

## Removable 2.5" SATA HDD/SSD Bay



The ECN-380 series is equipped with two 2.5" SATA HDD bays. One of the HDD bays is removable for easy installation.



## Triple Display Outputs



The ECN-380-QM87 contains two HDMI and one VGA. All of the display outputs support high resolution video, which can be applied widely in multi-monitor applications.







# ECN-360A-ULT3

Fanless Embedded System with Intel® Solution

**New****E-Window**

## Features

- On-board CPU
  - » i5-6300U dual-core up to 3.0GHz
  - » 3855U dual-core up to 1.6GHz
- Two 2.5" SATA 6Gb/s HDD/SSD drive bay
- Operating temperature: -20°C ~ 60 °C
- Two flexible E-Window for modularized expansion I/O



## Specifications

Model Name		ECN-360A-ULT3
Chassis	Color	Black
	Dimensions (WxDxH) (mm)	255 x 130 x 75
	System Fan	Fanless
	Chassis Construction	SECC
Motherboard	Motherboard Model	NANO-ULT3
	SBC Size (mm)	EPIC, 165 x 115
	Processor	Intel® Core™ i5-6300U Intel® Celeron® 3855U
	System Memory	2 x 260-pin 2133/1866 MHz dual-channel DDR4 SO-DIMMs support up to 32GB Pre-install 4GB DDR4
Storage	Hard Drive	2 x 2.5" SATA HDD bay(No RAID support)
I/O Interfaces	USB 3.1 Gen 1	4
	Ethernet	LAN1: Intel® I219-LM LAN2: Intel® I211-AT
	COM Port	1 x RS-232/422/485 2 x RS-232
	Digital I/O	8-bit digital I/O
	Display	2 x HDMI
	Resolution	HDMI: up to 4096x2160@24Hz
	Audio	1 x Line-out
	Wireless	2 x 802.11b/g/n (optional)
Expansions	PCIe Mini	1 x Full-size PCIe Mini card slot (with SIM holder & mSATA support) 1 x Half-size PCIe Mini card slot
Power	Power Input	DC 12V (Optional 9~36V) Power 1: DC jack Power 2: Terminal block( for optional 9~36V only)
	Power Consumption	12 V@2.4 A (Intel® i5-6300U with 4GB DDR4 memory)
Reliability	Mounting	Wall mount, VESA 100
	Operating Temperature	-20°C~60°C with air flow (SSD), 5% ~ 95%, non-condensing
	Operating Shock	Half-sine wave shock 5G, 11ms, 3 shocks per axis
	Operating Vibration	MIL-STD-810F 514.5C-2 (SSD)
	Weight (Net/Gross)	2.2 kg/3 kg

\*3855U belongs to Skylake ULT Base series CPU, PCIe signal support only PCIe Gen 2

## Friendly to Use

### Easy for installation

- Flexible I/O function for expansion requirement
- Easy assembly and integration changing with IEI E-winodw tool kit

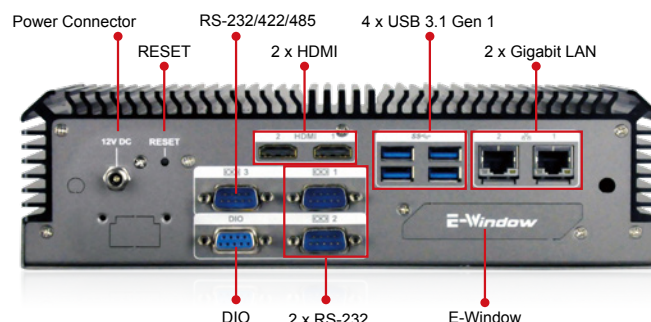
**E-Window**

## Fully Integrated I/O

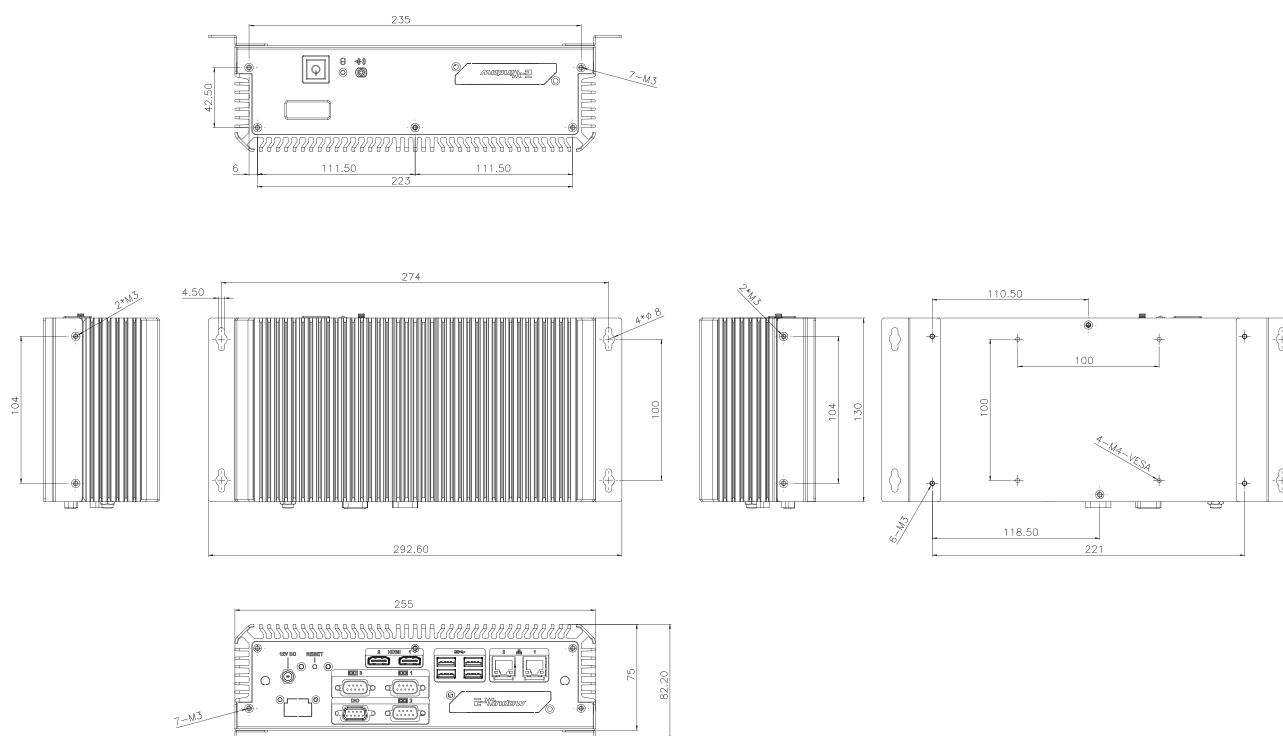
Front view



Rear view



Dimensions (Unit: mm)



## Ordering Information

Part No.	Description
ECN-360A-ULT3-i5/4G-R10	Fanless System with Intel® Core™ i5-6300U up to 3.0GHz , TDP 15W, 2 x GbE LAN port , 2 x HDMI, 2 x 2.5" SATA HDD bay, 4GB memory pre-installed, 12V DC, RoHS
ECN-360A-ULT3-CE/4G-R10	Fanless System with Intel® Celeron® 3855U up to 3.0GHz/1.6GHz , TDP 15W, 2 x GbE LAN port , 2 x HDMI, 2 x 2.5" SATA HDD bay, 4GB memory pre-installed, 12V DC, RoHS
ECN-360A-ULT3-i5/WD/4G-R10**	Fanless System with Intel® Core™ i5-6300U up to 3.0GHz , TDP 15W, 2 x GbE LAN port , 2 x HDMI, 2 x 2.5" SATA HDD bay, 4GB memory pre-installed, 9~36V DC, RoHS
ECN-360A-ULT3-CE/WD/4G-R10**	Fanless System with Intel® Celeron® 3855U up to 1.6GHz , TDP 15W, 2 x GbE LAN port , 2 x HDMI, 2 x 2.5" SATA HDD bay, 4GB memory pre-installed, 9~36V DC, RoHS
63040-010060-120-RS	FSP060-DIBAN2, 12V 60W AC/DC Adapter
E-MPCIE-LAN03-R10	PCIe mini card supports 1-port GbE with REALTEK RTL8111E controller, with PMS 194C I/O bracket and 150 mm cable
E-MPCIE-DLAN03-R10	PCIe mini card supports 2-port GbE with Intel® I211 controller, with PMS 194C I/O bracket and 150mm cable

\*\*By order production, MOQ: 50

## Packing List

1 x Screw set

1 x Wall mount bracket

# ECW-281B-BT

Fanless Embedded System with  
Intel® Celeron® J1900 Processor



## Features

- Fanless system with Intel® Celeron® J1900 Processor
- Supports four COM ports (three RS-232, one RS-422/485)
- 12V DC and 9 V~36 V DC models available
- Wide operating temperature: -20°C ~ 60°C with SSD



## Specifications

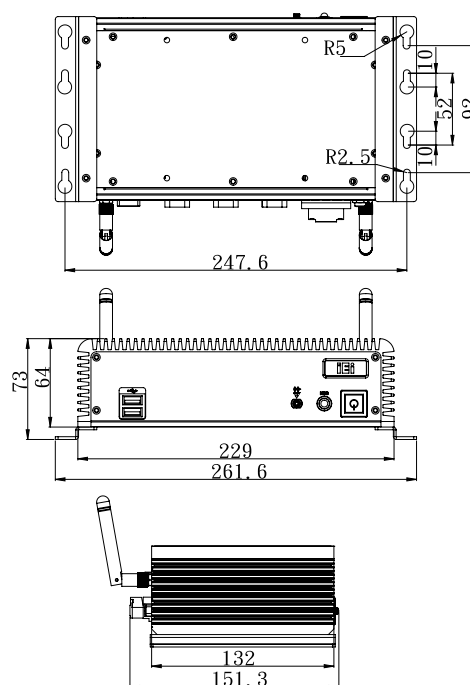
Model Name		ECW-281B-BT
Chassis	Color	Black
	Dimensions (WxHxD) (mm)	229 x 132 x 64
	System Fan	Fanless
	Chassis Construction	Aluminum alloy with heavy duty metal
Motherboard	Motherboard Model	WAFER-BT-i1
	SBC Size (mm)	3.5", 146 x 102
	CPU	Intel® Celeron® J1900 processor (quad-core, 2 MB cache, TDP=10W, up to 2.42GHz)
	Chipset	SoC
System Memory	System Memory	1 x 204-pin 1066/1333 MHz single-channel DDR3L SO-DIMM (system max. 8 GB)
	IPMI	iRIS Solution
Storage	Hard Drive	1 x 2.5" SATA 3Gb/s HDD bay
	USB 3.1 Gen 1	1
I/O Interfaces	USB 2.0	3
	Ethernet	LAN 1: PCIe GbE by Intel® I210 controller LAN 2: PCIe GbE by Intel® I211 controller
	COM Port	3 x RS-232 1 x RS-422/485
	Digital I/O	8-bit digital I/O
	Display	1 x VGA
	Resolution	VGA: Up to 2560x1600@60Hz
	Audio	1 x Line out
	Wireless	1 x 802.11b/g/n (optional)
	Expansion	1 x Full-size PCIe Mini card slot (supports mSATA)* 1 x Half-size PCIe Mini card (only for iRIS)
	Power	DC jack: 12 V DC 3-pin terminal: 9 V~36 V DC
Reliability	Consumption	12V@1.45A (with Intel® Celeron® J1900 CPU and one 8 GB 1333 MHz DDR3 memory)
	Mounting	Wall mount, VESA 100
	Operating Temperature	-20°C~60°C with air flow (SSD), 10% ~ 95%, non-condensing
	Storage Temperature	-20°C ~ 60°C
	Operating Shock	Half sine wave 5G, 11ms 3-axis (non-operational)
	Operating Vibration	MIL-STD-810F 514.5C-1 (HDD)
	Weight (Net/Gross)	2.1 kg / 3.9 kg

\*ECW-281BWD-BTi-QGW without Full-size PCIe Mini Card slot expansion

## Ordering Information

Part No.	Description
12V DC Input ECW-281B-BTi-J1/2GB-R10	Fanless embedded system with WAFER-BTi, Intel® Celeron® J1900 2.42 GHz processor, four serial ports, pre-installed 2GB DDR3L SO-DIMM, 12 V DC-in, 60 W power adapter, black, RoHS
9 V~36 V DC Input ECW-281BWD-BTi-J1/2GB-R10	Fanless embedded system with WAFER-BTi, Intel® Celeron® J1900 2.42 GHz processor, four serial ports, pre-installed 2GB DDR3L SO-DIMM, 9 V ~ 36 V DC-in, black, RoHS
ECW-281BWD-BTi-QGW-R10	Fanless embedded system with WAFER-BTi-R10, with Intel® Celeron J1900 2GHz, 4 serial ports, with 4GB DDR3L pre-installed SO-DIMM memory, with QTS-Gateway, 9~36VDC in, w/o adapter, black, RoHS

## Dimensions (Unit: mm)



## Options

Part No.	Description
IRIS-1010-R10	IPMI 2.0 adapter card with AST1010 BMC chip (W/O KVM over IP function) for PCIe Mini socket interface
ECW-281B-BTi-WES7E64-R10	OS Image with Windows® Embedded Standard 7 E 64Bit for ECW-281BTi Series, with DVD-ROM, RoHS, R10
DK-100-R10	VESA 100 to DIN-Rail mounting kit

## Packing List

1 x Power cord only for 12V	1 x Wall mount bracket
1 x 12V 60W power adapter only for 12V	1 x Screw set

# Embedded Chassis Series



Model Name		BRICK-KINO	BRICK-WAFER	BRICK-NANO
Chassis	Platform	Case only		
	Color	Black		
	Dimensions (WxDxH) (mm)	203 x 178 x 64	220 x 143 x 55	
Motherboard	Motherboard Model	tKINO-ULT3 KINO-DAL KINO-DBT tKINO-AL tKINO-BW eKINO-BT	WAFER-AL WAFER-BT	NANO-AL NANO-BT
	SBC Size (mm)	Mini-ITX (170 x 170)	3.5" (146 x 102)	3.5" (165 x 115)
Buttons		Power switch		
Reliability	Operating Temperature	0°C ~ 40°C		
	Weight (Net/ Gross)	1.25kg/1.5kg	1.2kg/1.5kg	

# BRICK Series

Embedded Chassis for IEI DC input Mini-ITX/EPIC/3.5" SBC

**New**



▼ BRICK Chassis with WAFER-AL  
(SBC not included)

▲ BRICK Chassis with eKINO-BT  
(SBC not included)

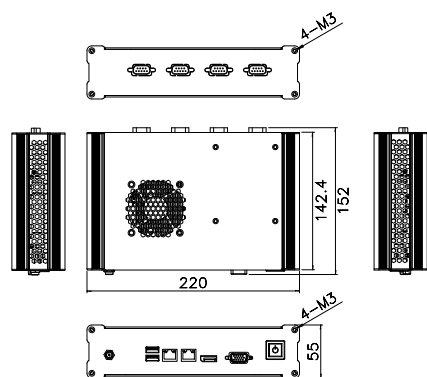
## Features

- Designed for Mini-ITX / EPIC / 3.5" SBC with DC input
- Flexible SBC compatibility
- One 2.5" hard drive capacity
- Cost-effective, RoHS compliant design

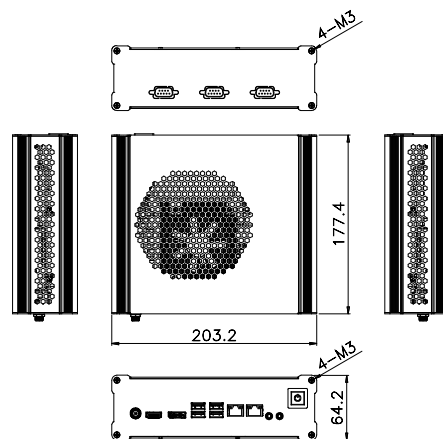
## Specifications

Model Name		BRICK-KINO	BRICK-WAFER	BRICK-NANO
Platform		Case only		
Chassis	Color	Black		
	Dimensions (WxDxH) (mm)	203 x 178 x 64	220 x 143 x 55	220 x 143 x 55
Motherboard	Motherboard Model	tKINO-ULT3 KINO-DAL KINO-DBT tKINO-AL tKINO-BW eKINO-BT	WAFER-AL WAFER-BT	NANO-AL NANO-BT
	SBC Size (mm)	Mini-ITX (170 x 170)	3.5" (146 x 102)	3.5" (165 x 115)
Buttons		Power switch		
Reliability	Operating Temperature	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C
	Weight (Net/Gross)	1.25kg/1.5kg	1.2kg/1.5kg	1.2kg/1.5kg

## BRICK-NANO/WAFER Dimensions (Unit: mm)



## BRICK-KINO Dimensions (Unit: mm)



## Ordering Information

Part No.	Description
BRICK-KINO-DAL-R10	Embedded chassis for KINO-DAL SBC, with IO bracket ,power switch, mat black and RoHS
BRICK-KINO-DBT-R10	Embedded chassis for KINO-DBT SBC, with IO bracket ,power switch, mat black and RoHS
BRICK-eKINO-BT-R10	Embedded chassis for eKINO-BT SBC, with IO bracket ,power switch, mat black and RoHS
BRICK-tKINO-AL-R10	Embedded chassis for tKINO-AL SBC, with IO bracket ,power switch, mat black and RoHS
BRICK-tKINO-BW-R10	Embedded chassis for tKINO-BW SBC, with IO bracket ,power switch, mat black and RoHS
BRICK-tKINO-ULT3-R10	Embedded chassis for tKINO-ULT3 SBC, with IO bracket ,power switch, mat black and RoHS
BRICK-WAFER-AL-R10	Embedded chassis for WAFER-AL SBC, with SATA cable, IO bracket ,power switch, DC input cable, mat black and RoHS
BRICK-WAFER-BT-R10	Embedded chassis for WAFER-BT SBC, with SATA cable, IO bracket ,power switch, DC input cable, mat black and RoHS
BRICK-NANO-AL-R10	Embedded chassis for NANO-AL SBC, with SATA cable, IO bracket ,power switch, DC input cable, mat black and RoHS
BRICK-NANO-BT-R10	Embedded chassis for NANO-BT SBC, with SATA cable, IO bracket ,power switch, DC input cable, mat black and RoHS

## Packing List

BRICK-KINO	1 x BRICK Chassis	1 x Power switch cable	1 x Screw set	1 x QIG	
BRICK-WAFER/NANO	1 x BRICK Chassis	1 x Power switch cable	1 x Screw set	1 x QIG	1 x SATA cable



# Embedded Chassis Series




Model Name		EBC-3300	EBC-3220	EBC-3200	EBC-3100
Chassis	Platform	Case only	Case only	Case only	Case only
	Color	Black	Black	Black	Black
	Dimensions (WxDxH) (mm)	190 x 190 x 43	190 x 180 x 55	260 x 180 x 55	260 x 250 x 156
	System Fan	--	1 x 4 cm	2 x 4 cm	1 x 8 cm
	Chassis Construction	Heavy duty metal	Heavy duty metal	Heavy duty metal	Heavy duty metal with plastic front panel
Motherboard	Motherboard Model	EBC-3300-ULT3-R10: tKINO-ULT3 EBC-3300-AL-R10 :tKINO-AL EBC-3300-BW-R10: tKINO-BW	tKINO-BW KINO-DQM170 KINO-DH810 KINO-DBT eKINO-BT KINO-DA750-i2 KINO-KBN/SE-i2 KINO-DQM871-i1 KINO-DH610 KINO-QM770 KINO-QM670 KINO-QM57A KINO-HM551	tKINO-BW KINO-DQM170 KINO-DH810 KINO-DBT eKINO-BT KINO-DA750-i2 KINO-KBN/SE-i2 KINO-DQM871-i1 KINO-DH610 KINO-QM770 KINO-QM670 KINO-QM57A KINO-HM551	KINO-AQ170 KINO-ABT KINO-AA750-i2 KINO-AQ870 KINO-AQ670 KINO-AH611 KINO-AH612
	SBC Size (mm)	Mini-ITX (170 x 170)	Mini-ITX (170 x 170)	Mini-ITX (170 x 170)	Mini-ITX (170 x 170)
	Hard Drive	1 x 2.5" SATA HDD drive bay	1 x 2.5" SATA HDD drive bay	2 x 2.5" SATA HDD space	1 x 3.5" SATA HDD space
Storage	CF Card/CFast	N/A	N/A	Refer to optional module	Refer to SBC
	SD Card	Refer to SBC	Refer to SBC	Refer to SBC	Refer to SBC
	PS2 (KB/MS)	N/A	N/A	N/A	Refer to SBC
I/O Interfaces	USB 3.1 Gen 1	Refer to SBC	Refer to SBC	Refer to SBC	Refer to SBC
	USB 2.0	Refer to SBC	Refer to SBC	Refer to SBC	Refer to SBC
	Ethernet	2	2	2	2
	COM Port	Refer to SBC	Refer to SBC	Refer to SBC	Refer to SBC
	LPT	Refer to SBC	Refer to SBC	Refer to SBC	Refer to SBC
	Display	Refer to SBC	Refer to SBC	Refer to SBC	Refer to SBC
	Resolution	Refer to SBC	Refer to SBC	Refer to SBC	Refer to SBC
	Audio	Refer to SBC	Refer to SBC	Refer to SBC	Refer to SBC
Expansions	Wireless	Refer to SBC	Refer to SBC	Refer to SBC	Refer to SBC
	PCI	N/A	N/A	1 x low profile expansion slot*	N/A
	PCIe	N/A	N/A	1 x low profile expansion slot*	1 x Full-height expansion slot
	PCIe Mini	Refer to SBC	Refer to SBC	Refer to SBC	Refer to SBC
Power	Others	1 x E-Window	N/A	N/A	N/A
	Power Input	12V DC	12V DC	12V DC in	90~264V AC
	Power Supply	12V DC	12V DC	12V DC in	ACE-A618B 180W ACE-A627A 270W
Reliability	Mounting	VESA 100, wall mount	VESA 100, wall mount	Desktop, wall mount	Desktop, wall mount
	Operating Temperature	-10°C~50°C	-10°C~50°C	0°C ~ 50°C	0°C ~ 50°C
	Operating Shock	Half-sine wave 3G, 11ms 3 shocks per axis			
	Operating Vibration	MIL-STD-810F 514.5C-1			
Weight (Net/ Gross)		1 kg/2 kg	1 kg/2 kg	1.1 kg/2 kg	2.5 kg/3.9 kg

\* Optional items

\*\* Systems with hard drive meet MIL-STD-810F 514.5C-1 specifications. SSD/CF systems meet MIL-STD-810F 514.5C-1 specifications.

# Embedded Chassis Series



**New**



Model Name		EBC-3000	EBC-2200	EBC-2100	EBC-1100
Chassis	Platform	Case only	Case only	Case only	Case only
	Color	Black	Black	Cool gray	Black
	Dimensions (WxDxH) (mm)	280 x 230 x 88	215 x 150 x 55	262 x 134 x 56	190 x 140 x 46
	System Fan	1 x 6 cm	1 x 4 cm	1 x 4 cm*	Refer to MB
	Chassis Construction	Heavy duty metal with plastic front panel	Aluminum alloy with heavy duty metal		
Motherboard	Motherboard Model	KINO-AQ170 KINO-ABT KINO-AA750-i2 KINO-AQ870 KINO-AQ670 KINO-AH611 KINO-AH612	NANO-BT-i1 NANO-BTW2 NANO-QM871	NANO-LX	WAFER-BT-E38001W2
	SBC Size (mm)	Mini-ITX (170 x 170)	EPIC (165 x 115)	EPIC (165 x 115)	3.5" SBC (146x102)
	Hard Drive	1 x 3.5" SATA HDD space	1 x 2.5" SATA 6Gb/s HDD/SSD drive bay	1 x 2.5" SATA HDD space	1 x 2.5" SATA HDD space
Storage	CF Card/CFast	Refer to SBC	N/A	1	N/A
	SD Card	Refer to SBC	N/A	N/A	N/A
	PS2 (KB/MS)	Refer to SBC	Refer to SBC	1	Refer to SBC
I/O Interfaces	USB 3.1 Gen 1	Refer to SBC	Refer to SBC	N/A	1
	USB 2.0	Refer to SBC	Refer to SBC	4	3
	Ethernet	2	2	1	2
	COM Port	Refer to SBC	Refer to SBC	1+2 RS-232*	1x RS232, 1 x RS-232 & 1 x RS-422/485*
	LPT	Refer to SBC	N/A	*1	N/A
	Display	Refer to SBC	Refer to SBC	1 x VGA	1 x VGA
	Resolution	Refer to SBC	Refer to SBC	N/A	VGA (up to 2560x1600@60Hz)
	Audio	Refer to SBC	1 x Line out, 1 x Mic-in	3 x Audio jack*	1 x Line out, 1 x Mic-in
	Wireless	Refer to SBC	1 x 802.11b/g/n	N/A	802.11b/g/n *
	PCI	N/A	N/A	N/A	N/A
Expansions	PCIe	N/A	N/A	N/A	N/A
	PCIe Mini	Refer to SBC	1 x Full-size PCIe Mini card slot	N/A	3
	Others	N/A	N/A	1 x PCI-104	N/A
	Power Input	90~264V AC	12V DC	12V DC in	12V DC in
Power	Power Supply	ACE-A618B 180W ACE-A627A 270W	12V, 5A	12 V DC in, AT mode only, with 60W power adapter	12V DC in
	Mounting	Desktop, wall mount	Wall mount, VESA 100	Desktop, wall mount	Wall mount, VESA 75
Reliability	Operating Temperature	0°C ~ 50°C	-20°C ~ 60°C	0°C ~ 50°C	-40°C ~ 75°C (refer to MB)
	Operating Shock	Half-sine wave 3G, 11ms 3 shocks per axis	Half-sine wave shock 5G, 11ms, 3 shocks per axis	Half-sine wave 3G, 11ms 3 shocks per axis	Half-sine wave shock 5G, 11ms, 3 shocks per axis
	Operating Vibration	MIL-STD-810F 514.5C-1			MIL-STD-810F 514.5C-1 (with SSD)
	Weight (Net/Gross)	2.5 kg/3.9 kg	1.1kg/2kg	1 kg/3 kg	1.2Kg/2.2Kg

\* Optional items

\*\* Systems with hard drive meet MIL-STD-810F 514.5C-1 specifications. SSD/CF systems meet MIL-STD-810F 514.5C-1 specifications.

# EBC-3300

Embedded Chassis for IEI thin Mini-ITX SBC

**New**



## Features

- Designs for thin type Mini-ITX SBC with single voltage input
- Total height 42mm for space critical application
- One 2.5" hard drive capacity
- Flexible E-Window tool kit support

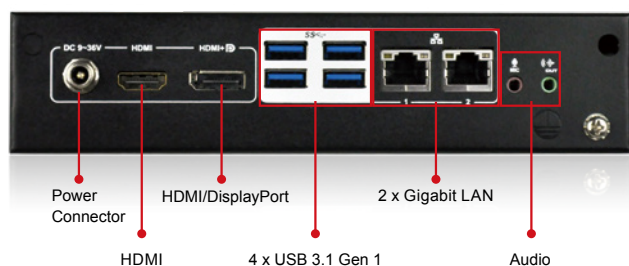


## Specifications

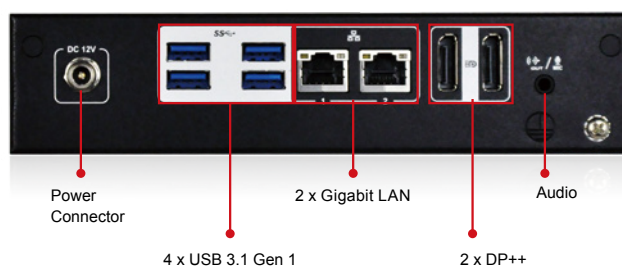
Model Name		EBC-3300-R10		
		EBC-3300-ULT3-R10	EBC-3300-AL-R10	EBC-3300-BW-R10
Platform		Case only	Case only	Case only
Chassis	Color	Black	Black	Black
	Dimension( WxDxH)	190 x 190 x 43	190 x 190 x 43	190 x 190 x 43
	System Fan	--	--	--
	Chassis Construction	Heavy duty metal	Heavy duty metal	Heavy duty metal
Motherboard	Motherboard	tKINO-ULT3	tKINO-AL	tKINO-BW
	SBC Size (mm)	Mini-ITX (170 x 170)	Mini-ITX (170 x 170)	Mini-ITX (170 x 170)
	CPU	Refer to SBC	Refer to SBC	Refer to SBC
	System Memory	2 x DDR4 2133 SO-DIMM (system Max : 32GB)	2 x DDR3L 1333/1066 SO-DIMM (system Max : 8GB)	1 x DDR3L 1333/1066 SO-DIMM (system Max : 8GB)
Storage	Hard Drive	1 x 2.5" SATA 6Gb/s HDD/SSD Bay		
	SD Card	N/A	1	1
	mSATA / M.2	1 (Colay MPCIE2)	1 (M.2 B-key)	1
I/O interfaces	PS2 (KB/MS)	pin header	pin header	pin header
	USB 3.1 Gen 1	4	4	4
	USB 2.0	pin header	pin header	pin header
	Ethernet	2	2	2
	RS-232/422/485	2 (pin header)	2 (pin header)	2 (pin header)
	RS-232	4 (pin header)	4 (pin header)	4 (pin header)
	DIO	8-bit (pin header)	8-bit (pin header)	8-bit (pin header)
	Display	1 x HDMI 1 x DP/HDMI	2 x DP++	1 x VGA 1 x DP/HDMI
	Resolution	1 x HDMI 1.4 (up to 4096x2160@24Hz) 1 x HDMI/DP (up to 4096x2160@24Hz)	2 x DP++ (up to 4096x2160@60Hz)	1 x VGA (up to 1920x1200@60Hz) 1 x HDMI/DP (up to 3840x2160@30Hz)
	Audio	Realtek ALC662 2 x Audio jacks (line-out, mic-in)	Realtek ALC269 1 x Audio jacks (line-out, mic-in)	Realtek ALC662 1 x Audio jacks (line-out)
	Wireless	Refer to SBC	Refer to SBC	Refer to SBC
	Expansions	2 x Full-size PCIe Mini	1 x Full-size PCIe Mini	1 x Full-size PCIe Mini
Power	Others	N/A	1 x M.2 B key 2242 (SATA/USB2)	N/A
	Power Input	9~36V	12V	9~30V
	Power Consumption	12V@4.68A	12V@2.58A	12V@1.61A
	Others	1 x Power switch	1 x Power switch	1 x Power switch
Reliability	Mounting	VESA 100, wall mount		
	Operating Temperature	-10 ~ 50 °C with air flow (SSD), 10% ~ 95%, non-condensing		
	Storage Temperature	-20°C ~ 60°C		
	Operating Shock	Half-sine wave shock 3G, 11ms, 3 shocks per axis		
	Operation Vibration	MIL-STD-810G 514.5C-1 (with SSD)		
	Weight ( Net/Gross)	1 kg/ 2kg		

## Fully Integrated I/O

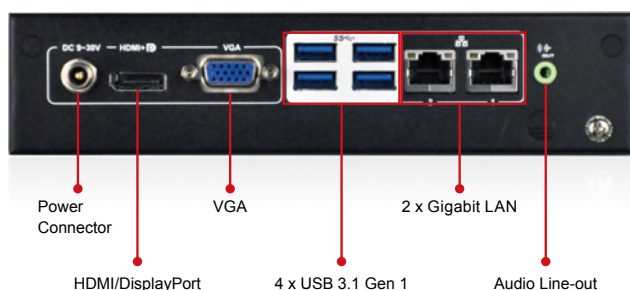
### •EBC-3300-ULT3-R10 Rear I/O



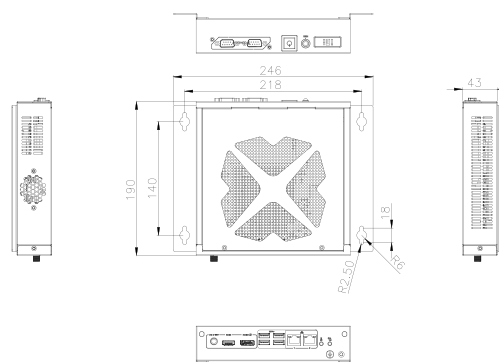
### •EBC-3300-AL-R10 Rear I/O



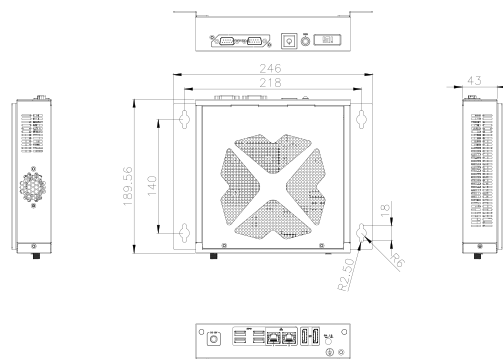
### •EBC-3300-BW-R10 Rear I/O



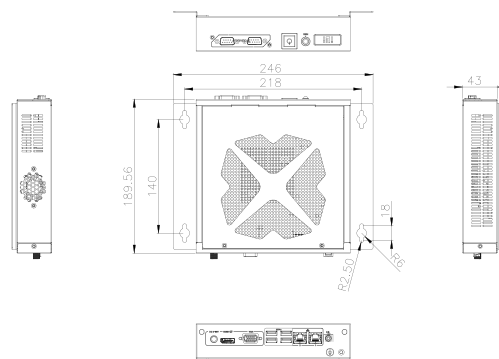
### EBC-3300-ULT3-R10 Dimensions (Unit: mm)



### EBC-3300-AL-R10 Dimensions (Unit: mm)



### EBC-3300-BW-R10 Dimensions (Unit: mm)



## Ordering Information

Part No.	Description
EBC-3300-ULT3-R10	Embedded chassis for tKINO-ULT3 with one 2.5" SATA hard drive bay, IO bracket, one LED cable, one power switch cable and RoHS
EBC-3300-AL-R10	Embedded chassis for tKINO-AL with one 2.5" SATA hard drive bay, IO bracket, one LED cable, one power switch cable and RoHS
EBC-3300-BW-R10	Embedded chassis for tKINO-BW with one 2.5" SATA hard drive bay, IO bracket, one LED cable, one power switch cable and RoHS

## Options

Part No.	Description
E-MPCIE-3G-R10	PCIe mini card supports 3G WWAN Module, with PMS 130C I/O bracket, RF antenna 300mm cable and GSM antenna cable, R10
19FR123510BH-000001-RS	Fan Module, FAN, +12V, 3PIN, 31100-000409-RS, STANDARD, R123510BHAC6M5AR, CABLE L:300mm, MOLEX 5051-03P P=2.54 (For EBC-3300-ULT3-R10)
19FR123510BH-000002-RS	Fan Module, FAN, +12V, 4PIN, 31100-000410-RS, STANDARD, R123510BHAF6M6AR, CABLE L:300mm, MOLEX 5051-04P P=2.54 (For EBC-3300-AL-R10 & EBC-3300-BW-R10)
63040-010060-120-RS	FSP060-DIBAN2, 12V 60W AC/DC Adapter

## Packing List

1 x QIG	1 x Wall mount bracket kit	1 x Screw set
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# EBC-3200

Embedded Chassis for IEL Single Voltage Mini-ITX SBC



## Features

- Designed for Mini-ITX SBC with single voltage input
- Flexible storage with CF or 2.5" HDD (optional)
- One PCI or PCIe expansion slot (optional)

## Flexible design with five optional modules for storage and expansion slot



### Flexible storage by optional modules

2 x Internal 2.5" HDD bays (default)



1 x Internal 2.5" HDD bay  
1 x CF slot



1 x Expansion slot (PCI/PCIe)  
1 x Internal 2.5" HDD bay



1 x Expansion slot (PCI/PCIe)  
1 x CF slot

## Specifications

Model Name		EBC-3200
Platform		Case only
Chassis	Color	Black
	Dimensions (WxDxH) (mm)	260 x 180 x 55
	System Fan (WxDxH) (mm)	2, 40 x 40 x 10
Motherboard	Motherboard Model	Refer to KINO Series
	SBC Size (mm)	Mini-ITX (170 x 170)
Storage	Hard Drive	2 x 2.5" HDD bays (default) Varies by optional modules
	PCI/PCIe	1 x Low profile PCI/PCIe (support by optional modules) Max. dimensions: 147 mm (L) x 10.5 mm (D)
Buttons		Power switch Reset
Indicators		Power LED Error LED
Reliability	Mounting	Desktop, wall mount, VESA mount
	Operating Temperature	-10°C ~ 50°C with air flow*
Weight (Net/Gross)		1.1 kg/2 kg

(\*Ambient air speed follows IEC-68-2-2 standard)

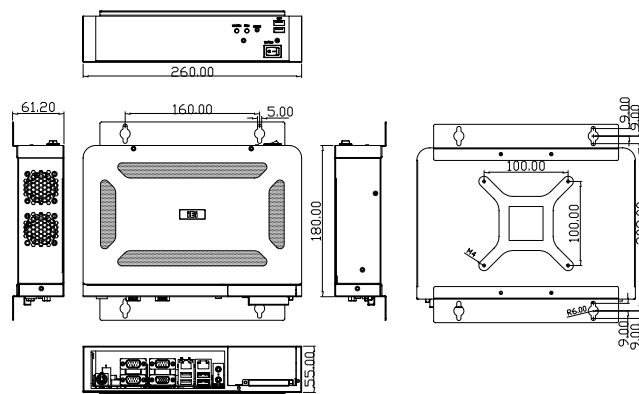
## Compatible SBC

Part No.	Expansion Type	Recommended CPU Cooler
tKINO-BW	1 x PCIe x1	Fanless
KINO-DQM170	1 x PCIe x16	19100-000203-00-RS
KINO-DH810	1 x PCIe x1	CF-1156A-RS, CF-1156C-RS, CF-1156D-RS
KINO-DBT	1 x PCIe x4	Fanless
eKINO-BT	1 x PCIe x1	Fanless
KINO-DA750-i2	N/A	CF-989B-RS
KINO-KBN/SE-i2	1 x PCIe x4	GX-424CC & GX415GA with fan
KINO-DQM871-i1	1 x PCIe x16	19100-000203-00-RS
KINO-DH610	1 x PCI 1 x PCIe x1	CF-1156A-RS, CF-1156C-RS, CF-1156D-RS
KINO-QM770	1 x PCIe x16	CF-989A-RS
KINO-QM670	1 x PCIe x16	CF-989A-RS
KINO-QM57A	1 x PCIe x16	CF-989A-RS, CF-989B-RS
KINO-HM551	1 x PCIe x16	CF-989A-RS

## Optional Modules

Part No.	Description
EBCKIT-01-R10/PCI-HDD	EBC-3200 optional module with one PCI slot and one 2.5" HDD bay, RoHS
EBCKIT-02-R10/PCIe-HDD	EBC-3200 optional module with one PCIe x1 slot and one 2.5" HDD bay, RoHS (For KINO-PV-D4252/D5252 only)
EBCKIT-03-R10/PCI-CF	EBC-3200 optional module with one PCI slot and one CompactFlash® slot, RoHS
EBCKIT-06-R10/PCIe16-HDD	EBC-3200 optional module with one PCIe x16 slot and one 2.5" HDD bay, RoHS

## Dimensions (Unit: mm)



## Ordering Information

Part No.	Description
EBC-3200-R10	Mini-ITX embedded chassis, compatible two 2.5" HDD, w/o power adapter, black, RoHS

## Options

Part No.	Description
32000-000002-RS	European standard power cord, 1830mm
32000-000025-RS	American standard power cord, 1830mm
63040-010060-110-RS	Power adapter, FSP060-DIBAN2, 90 V~264 V AC, 12 V DC, 60W, Din 4-pin/lock, Erp, RoHS
19FR124010BL-000002-RS	Fan module, 40x40x10mm, CCL, RoHS

## Packing List

1 x QIG	2 x Wall mount brackets	1 x Screw set
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# EBC-3100

Mini-ITX Chassis for High Power Consumption Applications



## Features

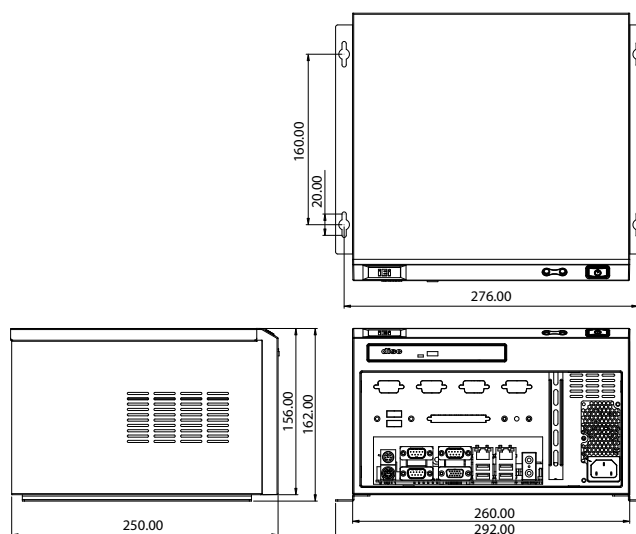
- Designed for high performance applications, bundled with 270W high efficiency ATX power supply
- Front accessible I/O design
- Supports one expansion slot
- One 3.5" hard drive, one slim type optical drive capacity



## Specifications

Model Name		EBC-3100
Platform		Case only
Chassis	Color	Black
	Dimensions (WxDxH) (mm)	260 x 250 x 156
	System Fan (WxDxH) (mm)	80 x 80 x 25
	Chassis Construction	Heavy duty metal with plastic front panel
Motherboard	Motherboard Model	Refer to KINO Series
	SBC Size (mm)	Mini-ITX (170 x 170)
Storage	Hard Drive	1 x 3.5" SATA HDD space
	ODD	1 x 5.25" slim type
Expansions		1 x Full-height expansion slot Max. dimensions: 220 mm (L) x 27 mm (D)
Power	Power Input	90 V~264 V AC
	Power Model	ACE-A618B 180W, ACE-A627A 270W
Reliability	Mounting	Desktop, wall mount
	Operating Temperature	0°C ~ 50°C
Weight (Net/Gross)		2.5 kg/3.9 kg

## Dimensions (Unit: mm)



## Compatible SBC

Part No.	Expansion Type	Recommended CPU Cooler
KINO-AQ170	1 x PCIe x16	CF1156A-RS, CF-1156C-RS, CF-1156D-RS
KINO-ABT	1 x PCIe x4	Fanless
KINO-AA750-i2	1 x PCIe x8	CF-989B-RS
KINO-AQ870	1 x PCIe x4	CF-1150SC-RS
KINO-AQ670	1 x PCIe x16	CF1156A-RS, CF-1156C-RS, CF-1156D-RS
KINO-AH611	1 x PCIe x16	CF1156A-RS, CF-1156C-RS, CF-1156D-RS
KINO-AH612	1 x PCIe x4	CF1156A-RS, CF-1156C-RS, CF-1156D-RS

1U AC Input									
Products	Model No.	Watt AT/ATX PFC	Input Voltage	Output Current Range					Efficiency
				+3.3 V	+5 V	+12 V	-12 V	+5 Vsb	
	ACE-A630B	300W ATX	90~265 VAC	16A (0.5A min.)	18A (0.5A min.)	15A (0.5A min.)	0.5A	3A	82%
	ACE-A618B	180W ATX	90~264 VAC	10A (0.1A min.)	14A (0.2A min.)	10A (0.6A min.)	0.3A	2.5A	85%

## Ordering Information

Part No.	Description
EBC-3100-R12/ACE-A618B	Mini-ITX embedded chassis, one 3.5" hard drive bay, with ACE-A618B-RS 180W ATX power supply, black
EBC-3100-R12/ACE-A630B	Mini-ITX embedded chassis, one 3.5" hard drive bay, with ACE-A630B-RS 300W ATX power supply, black

## Packing List

1 x System Fan	1 x Screw set	1 x QIG
1 x Power cord	1 x Wall mount kit	1 x SATA slim ODD cable

# EBC-3000 Mini-ITX Chassis for High Power Consumption Applications



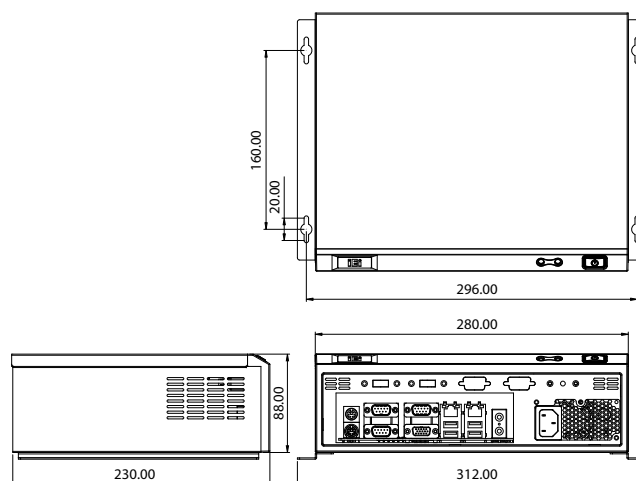
## Features

- Designed for high performance applications, bundled with 270W high efficiency ATX power supply
- Front accessible I/O design
- One 3.5" hard drive capacity

## Specifications



Model Name		EBC-3000
Platform		Case only
Chassis	Color	Black
	Dimensions (WxDxH) (mm)	280 x 230 x 88
	System Fan (WxDxH) (mm)	60 x 60 x 25
	Chassis Construction	Heavy duty metal with plastic front panel
Motherboard	Motherboard Model	Refer to KINO Series
	SBC Size (mm)	Mini-ITX (170 x 170)
Storage	Hard Drive	1 x 3.5" SATA HDD space
Power	Power Input	90 V~264 V AC
	Power Model	ACE-A618B 180W, ACE-A627A 270W
Reliability	Mounting	Desktop, wall mount
	Operating Temperature	0°C ~ 50°C
	Weight (Net/Gross)	2.5 kg/3.9 kg

## Dimensions (Unit: mm)



## Compatible SBC

Part No.	Recommended CPU Cooler
KINO-AQ170	CF1156A-RS, CF-1156C-RS, CF-1156D-RS
KINO-ABT	Fanless
KINO-AA750-i2	CF-989B-RS
KINO-AQ870	CF-1150SC-RS
KINO-AQ670	CF1156A-RS, CF-1156C-RS, CF-1156D-RS
KINO-AH611	CF1156A-RS, CF-1156C-RS, CF-1156D-RS
KINO-AH612	CF1156A-RS, CF-1156C-RS, CF-1156D-RS

1U AC Input									
Products	Model No.	Watt AT/ATX PFC	Input Voltage	Output Current Range					Efficiency
				+3.3 V	+5 V	+12 V	-12 V	+5 Vsb	
	ACE-A630B	300W ATX	90~265 VAC	16A (0.5A min.)	15A (0.5A min.)	0.5A	0.8A	3A	82%
	ACE-A618B	180W ATX	90~264 VAC	10A (0.1A min.)	14A (0.2A min.)	10A (0.6A min.)	0.3A	2.5A	85%

## Ordering Information

Part No.	Description
EBC-3000-R12/ACE-A618B	Mini-ITX embedded chassis, one 3.5" hard drive bay, with ACE-A618B-RS 180W ATX power supply, black
EBC-3000-R12/ACE-A630B	Mini-ITX embedded chassis, one 3.5" hard drive bay, with ACE-A630B-RS 300W ATX power supply, black

## Packing List

1 x System fan	1 x Screw set	1 x QIG
1 x Power cord	1 x Wall mount kit	

# EBC-2200

Embedded Chassis for EPIC SBC

**New**



## Specifications

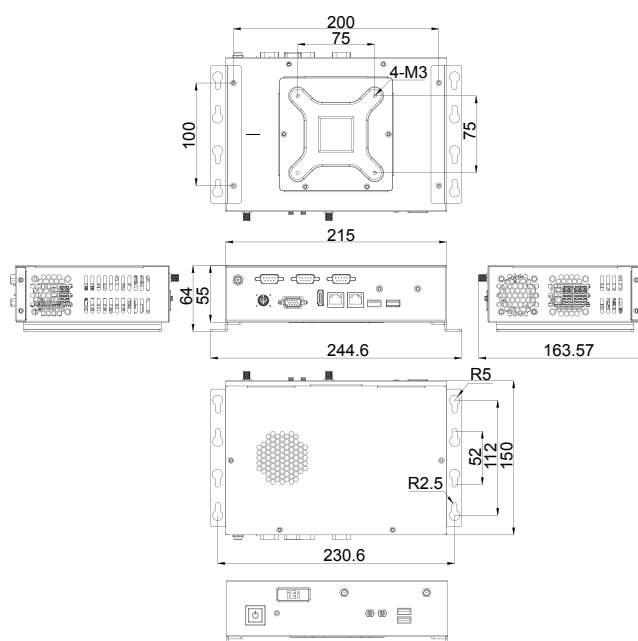
Model Name		EBC-2200-BT	EBC-2200-QM87
Platform		Case only	
Chassis	Color	Black	
	Dimensions (WxDxH) (mm)	215 x 150 x 55	215 x 150 x 55
	System Fan (WxDxH) (mm)	40 x 40 x 10 (optional)	
	Chassis Construction	Aluminum alloy with heavy duty metal	
Motherboard	Motherboard Model	NANO-BT-I1 NANO-BTW2	NANO-QM871
	SBC Size	EPIC SBC (165 mm x 115 mm)	
	Processor	Refer to SBC	Refer to SBC
	Chipset	SoC	Intel® QM87
	System Memory	1 x 204-pin 1066/1333 MHz DDR3L SO-DIMM (system max. 8GB)	1 x 204-pin 1600/1333 MHz DDR3 SO-DIMM (system max. 8GB)
Storage	Hard Drive	1 x 2.5" SATA 6Gb/s HDD/SSD drive bay	
System Function	PS2 (KB/MS)	1	N/A
	USB 3.1 Gen 1	1	2
	USB 2.0	3	4
	Ethernet	LAN1: Intel® I210-AT PCIe controller with NCSI support LAN2: Intel® I211-AT PCIe controller	LAN1: Intel® I217LM PHY with Intel® AMT 9.0 support LAN2: Intel® I210-AT PCIe controller
	COM Port	2 x RS-232 1 x RS-232/422/485	1 x RS-232 1 x RS-232/422/485
	Digital I/O	N/A	1
	Display	1 x HDMI, 1 x VGA	2 x HDMI, 1 x VGA
	Audio	1 x Line out, 1 x Mic-in	1 x Line out, 1 x Mic-in
	Wireless	1 x 802.11b/g/n (optional)	1 x 802.11b/g/n (optional)
Expansion	PCIe Mini	1 x Full-size PCIe Mini card slot	
Power	Power Input	12 V DC	12 V DC
	Power Consumption	12V@1.52A (Intel® Atom™ J1900 CPU with 8GB 1333MHz DDR3 memory)	12V@4.78A (Intel® Core™ i7-4770EQ CPU with 4GB 1333MHz DDR3 memory)
Reliability	Mounting	Wall mount, VESA 75	Wall mount, VESA 75
	Operating Temperature	-20°C ~60°C	
	Operating Shock	Half-sine wave shock 5G, 11ms, 3 shocks per axis	
	Operating Vibration	MIL-STD-810F 514.5C-1 (with SSD)	
	Weight (Net/Gross)	1.1 kg/2 kg	1.1 kg/2 kg

## Features

- Designed for EPIC SBC with single voltage input
- One 2.5" hard drive capacity
- Support one PCIe Mini expansion slot
- Complete I/O interface, including dual GbE, dual display port



## Dimensions (Unit: mm)



## Ordering Information

Part No.	Description
EBC-2200-BT-R10	Embedded chassis for NANO-BT Series SBC with one 2.5" SATA hard drive bay, IO bracket, one LED cable, one power switch cable, one USB cable, RoHS, R10
EBC-2200-QM87-R10	Embedded chassis for NANO-QM87 Series SBC with one 2.5" SATA hard drive bay, IO bracket, one LED cable, one power switch cable, one USB cable, RoHS, R10

## Options

Part No.	Description
32231-000100-200-RS	DIO cable, 150 mm, 2x5 pin
32205-001400-200-RS	RS-232 cable, 200 mm, 2x5 pin
32107-004000-100-RS	Audio cable, 250 mm, two 3.5 mm phone jacks with nut
63040-010060-120-RS	Power adapter, FSP060-DIBAN2, 90 V~264 V AC, 60 W, 12 V DC, ErP
31100-000272-RS	Fan, +12 V DC, 4-pin, YEN SUN, 40 mm x 40 mm x 15 mm, 6000 RPM

## Packing List

1 x QIG	2 x Wall mount bracket	1 x Screw set
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# EBC-2100

Embedded Chassis for EPIC NANO Series



## Features

- Fanless system with AMD LX-800
- Complete I/O interfaces, including LAN, COM, four USB
- Single 12V DC power input, AT mode only
- DDR support up to 1GB

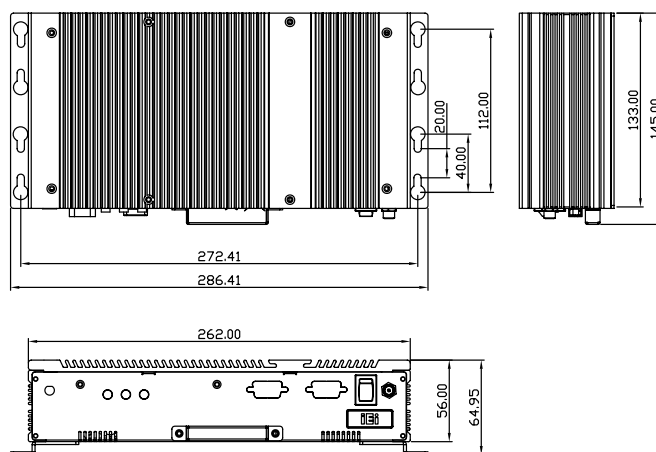
## Specifications

Model Name		EBC-2100
Platform		Case only
Chassis	Color	Cool gray
	Dimensions (WxDxH) (mm)	262 x 134 x 56
	System FAN (WxDxH) (mm)	40 x 40 x 10 (optional)
	Chassis Construction	Aluminum alloy with heavy duty metal
Motherboard	Motherboard Model	NANO-LX
	SBC Size (mm)	EPIC (165 x 115)
	Processor	Refer to SBC
	Chipset	Refer to SBC
	System Memory	Refer to SBC
Storage	Hard Drive	1 x 2.5" SATA HDD drive bay
	CF Card/CFast	1
I/O Interfaces	PS2 (KB/MS)	1
	USB 2.0	4
	Ethernet	1 x Realtek 8100C
	COM Port	1+2 RS-232*
	LPT	1*
	Display	1 x VGA
	Audio	3 x Audio jack*
	Wireless	N/A
Expansions	PCIe Mini	N/A
	Others	1 x PCI-104
Power	Power Input	12 V DC in, AT mode only
	Power Consumption	12V@0.92A (AMD LX800 CPU with 400MHz 256MB DDR RAM)
Reliability	Mounting	Desktop, wall mount
	Operating Temperature	0°C ~ 50°C
	Operating Shock	Half-sine wave 3G, 11ms 3 shocks per axis
	Operating Vibration	MIL-STD-810F 514.5C-1
	Weight (Net/Gross)	1 kg/3 kg

\*Optional items

\*\*The system with hard drive can meet the standard testing MIL-STD-810F 514.5C-1; the system with SSD/CF can pass MIL-STD-810F 514.5C-2.

## Dimensions (Unit: mm)



## Ordering Information

Part No.	Description
EBC-2100-R41	Embedded chassis for NANO-8522/LX, compatible with 2.5" SATA hard drive, 60W power adapter with ERP and PSE certificates, sliver, RoHS

## Options

Part No.	Description
32221-001000-101-RS	44-pin IDE cable for 2.5" hard drive
32801-000205-100-RS	2.5" SATA HDD cable with 2-pin WAFER 2.0mm power cable, for NANO-945GSE-N270 in EBC-2101, 20cm
CF-PV4010-R10	4010 system fan, +12V ball bearing

## Packing List

- 1 x 12V 60W power adapter
- 1 x Power cord
- 1 x Screw set
- 1 x Wall mount kit
- 1 x QIG



Wall mount bracket



# EBC-1100

Embedded Chassis for 3.5" SBC



## Features

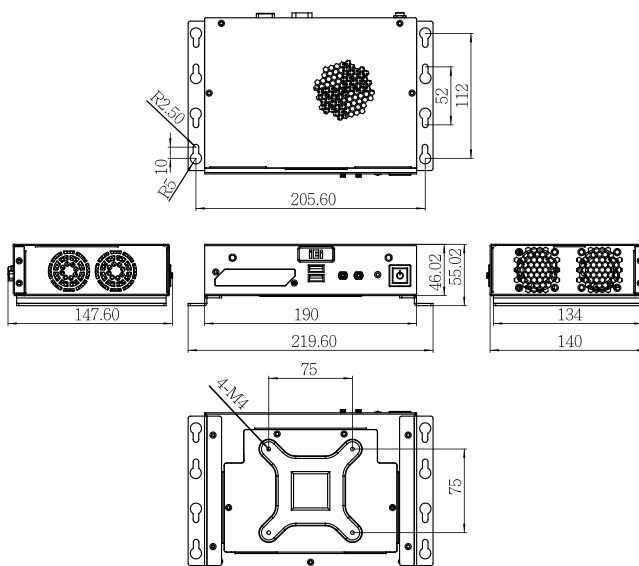
- Designed for WAFER-BT-E38001W2 SBC with single voltage input
- One 2.5" hard drive capacity and two PCIe Mini expansion slots
- On-board memory and on-board SSD for choice
- Flexible E-Window tool kit support
- 40°C ~ 75°C wide temperature support



## Specifications

Model Name		EBC-1100
Platform		Chassis only
Chassis	Color	Black
	Dimensions (WxDxH) (mm)	190 x 140 x 46
	System Fan (WxDxH) (mm)	Refer to MB
	Chassis Construction	Aluminum alloy with heavy duty metal
Motherboard	Motherboard Model	WAFER-BT-E38001W2
	Processor	Intel® Atom™ E3800 series on-board SoC
	Chipset	SoC
	System Memory	4GB solder-down 1066/1333 MHz DDR3L memory for E3845 2GB solder-down 1066/1333 MHz DDR3L memory for other SKUs
Storage	Hard Drive	1 x 2.5" SATA 6Gb/s HDD/SSD drive bay
	Storage	On-board SSD colay SATA1 (optional) 1 x mSATA colay SATA2 1 x microSD socket
System Function	USB 3.1 Gen 1	1
	USB 2.0	3
	Ethernet	2 x RJ-45 LAN1: Intel® I210-IT PCIe controller LAN2: Intel® I210-IT PCIe controller
	COM Port	2 x RS-232 (RS-232 pin header is optional) 1 x RS-422/485 (pin header, optional)
	Display	1 x VGA
	Resolution	VGA (up to 2560x1600@60Hz)
	Audio	1 x Line-out, 1 x Mic-in
	LED Indicator	Power, HDD
	Wireless	802.11b/g/n 2T2R (optional)
	Expansions	2 x Full-size PCIe Mini slot
Power	Power Input	DC jack: 12 V DC
	Power Consumption	12 V @ 1.32 A (Intel® Atom™ E3845 processor)
Reliability	Mounting	Wall mount, VESA 75
	Operating Temperature	E3845 (10W): -40°C ~ 50°C without fan module/ -40°C ~ 75°C with fan module E3825 (6W): -40°C ~ 65°C without fan module
	Operating Shock	Half-sine wave shock 5G, 11ms, 3 shocks per axis
	Operating Vibration	MIL-STD-810F 514.5C-1 (with SSD)
	Weight (Net/Gross)	1.2 kg/2.2 kg

## Dimensions (Unit: mm)



## Ordering Information

Part No.	Description
EBC-1100-BTW2-R10	Embedded chassis for WAFER-BT-E38001W2 Series MB with one 2.5" SATA hard drive bay, IO bracket, one LED cable, one power switch cable, one USB cable, one audio cable, RoHS, R10

## Options

Part No.	Description
63040-010060-120-RS	FSP060-DIBAN2, 90 V ~ 264 V AC, 60 W, 12 V DC, ErP
19FR124010BL-000001-RS	Fan module, +12 V DC, 3-pin, 40 mm x 40 mm x 10 mm, EVERFLOW, 5000 RPM, two ball bearing, L=250 mm
32205-004700-100-RS	RS-422/485 cable, 100 mm, P=2.0
32200-074500-RS	RS-232 cable, 150 mm, P=2.0
32801-003608-100-RS	SATA power cable kit, 150 mm
DK-75-R10	VESA 75 to DIN-rail mounting kit

## Packing List

1 x QIG	1 x Wall mount bracket	1 x Screw set
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# Chassis Selection Guide

	Model No.	Type	Board Type		Max. Slots	Drive Capacity				Fan Spec.			
			SBC Slot	Motherboard		5.25" F.P.	3.5" F.P.	2.5" Int	3.5" Int	4 cm	6 cm	8 cm	12 cm
	RACK-1150G	1U	PICMG 1.0 full-size/ PICMG 1.3 full-size		3	1			1	3			
	RACK-220G	2U	PICMG 1.0 full-size	*microATX, Mini-ITX	6	1	1		1			2	
	RACK-305G	4U	Full-size	*ATX, microATX, Mini-ITX	14	2	1		1		***2	2	
	RACK-360G	4U	Full-size	*ATX, microATX, Mini-ITX	14	2	1		1		***2		1
	RACK-3000G	4U	Full-size	*ATX, microATX, Mini-ITX	14	3	2		1		***2	2	
	ECA-300			ATX, microATX	7	2		1	1				
	ECA-200			microATX	4			1	1				
	ECA-100			ATX, microATX	7			1	1				
	PAC-1000G		Full-size		6	1	1		1			1	
	PAC-106G		Full-size		6		1		1			1	
	PAC-1700G		Full-size		7	1	1		2			1	
	PAC-125G		Full-size		10	2	1		1			1	
	PAC-53GH		Half-size		3			1					
	PAC-42GH		Half-size		4		△1		△1			1	
	PR-1500G		Half-size		5	◇1	1		1			1	
	PAC-400G		Half-size		5				△1			1	
	PAC-700G		Half-size		7	1	△1		1			1	

	Model No.	Indicators		Front Panel Control						Back Panel Control		PSU	Dimensions (mm)			Color	
		Power	HDD	Power	Reset	KB	USB	Keylock	COM	USB	COM		Depth	Height	Width	Black	White
	RACK-1150G	O	O	O	O		2					1U	449	44	431	O	
	RACK-220G	O	O	O	O		2	O				PS/2	487.5	88	431	O	O
	RACK-305G	O	O	O	O	O	2	O				PS/2 or mini redundant	413	176	431	O	O
	RACK-360G	O	O	O	O	O	2	O				PS/2 or mini redundant	435.5	176	431	O	O
	RACK-3000G	O	O	O	O			O				PS/2 or mini redundant	520	176	431	O	O
	ECA-300	O	O	O	O		2		6			1U	291	162	365	O	
	ECA-200	O	O	O	O		2		6			1U	310	162	310	O	
	ECA-100	O	O	O	O		2			4	2	PS/2	320	480.5	210		O
	PAC-1000G	O	O	O	O							PS/2	421	176	232	O	
	PAC-106G	O	O	O	O		2					1U	400	175.5	166		O
	PAC-1700G	O	O	O	O							PS/2	433	253.7	192.4	O	
	PAC-125G	O	O	O	O		2	O				PS/2	420	176	321		O
	PAC-53GH	O	O	O	O		2					1U	218	200	95		O
	PAC-42GH	O	O	O	O		2					1U	269	230	140		O
	PR-1500G	O	O	O	O		2					1U	254	132	286		O
	PAC-400G	O	O	O	O		2					1U	269	230.5	140		O
	PAC-700G	O	O	O	O		2	O				1U	279	176	321	O	

Rackmount chassis

Full-size wall mount chassis

Half-size wall mount chassis

\* For ATX model

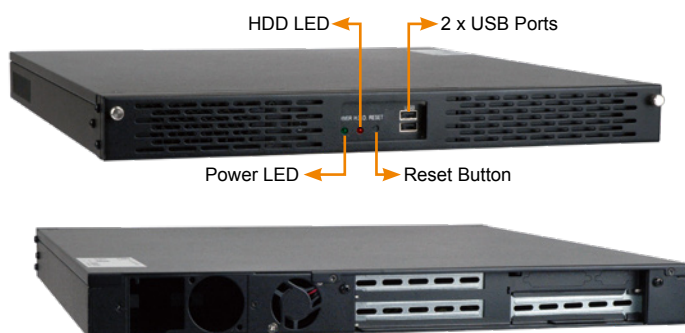
\*\*\* Optional fans for ATX model

◇ Slim-type CD-ROM

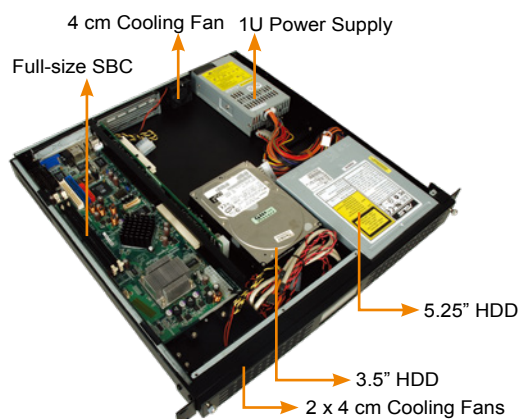
△ Please refer to datasheet for detail information

# RACK-1150G/1150G-PE

1U Full-size Rackmount Chassis



CD-ROM, and HDD are not included in package



## Features

- RoHS compliant design
- Two front-accessible USB ports
- One 5.25" drive bay
- One 3.5" internal hard drive bay
- Three 4 cm cooling fans

## Specifications

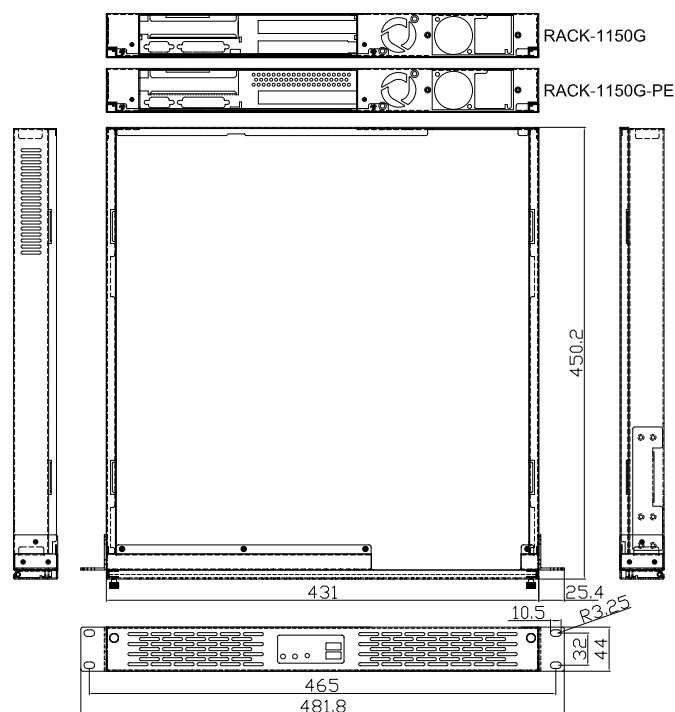
◆ Construction	Heavy duty metal
◆ SBC Form Factor	Full-size CPU card
◆ Drive Bays	1 x 5.25" 1 x 3.5" HDD (internal)
◆ Cooling Fans	3 x 4 cm
◆ I/O Ports	2 x USB
◆ I/O Openings	1 x COM, 1 x LPT
◆ Expansion Slots	3 slots/2 slots (PE)
◆ Indicators	Power, HDD
◆ Buttons	Power switch, reset button
◆ Operating Temperature	0°C ~ 50°C
◆ Operating Humidity	10% ~ 90%
◆ Color	B: Black
◆ Weight (Net/Gross)	7.5 kg/9.5 kg
◆ Dimensions (DxWxH)	449 mm x 431 mm x 44 mm

RACK-1150G and RACK-1151G support processors with a maximum TDP of 31 W only.

## Ordering Information

Part No.	Description
<b>RACK-1150GB-PE-R11/A618B</b>	1U 2-slot full-size rackmount chassis for PICMG 1.3 backplane, black, 3 x 4cm fan, with ACE-A618B-RS-R10 (180W ATX model), RoHS
<b>RACK-1150GB-R11/A618B</b>	1U 3-slot full-size rackmount chassis for PICMG 1.0 backplane, black, 3 x 4cm fan, with ACE-A618B-RS-R10 (180W ATX model), RoHS

## Dimensions (Unit: mm)



## Backplane Options

Model No.	SBC Type	PCI	ISA	PCIe			PSU Connector
				x1	x4	x16	
PCI-2SD2-RS	PICMG 1.0	2	0	0	0	0	ATX
PE-2SD1*	PICMG 1.3	0	0	0	0	1	ATX
PE-2SD2*	PICMG 1.3	1	0	0	0	0	ATX

Adapter cable 32100-040600-RS is required when connecting PCI-2SD2-RS to a standard ATX supply.

\* For RACK-1150G-PE

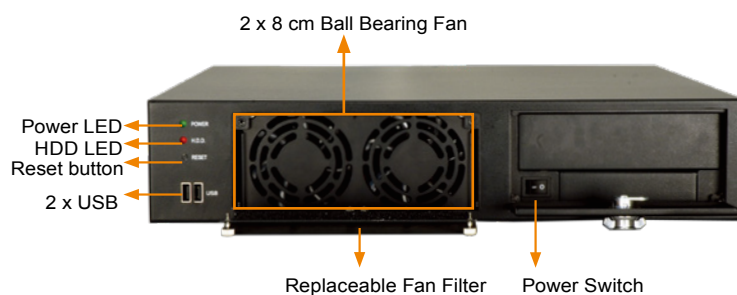
## Power Supply Options

Type	Model No.	Watt
ATX	ACE-A618B-RS-R10	180W
	ACE-A225A-R11	250W
	ACE-4520C-RS	200W

RACK-1150G supports single 1U height PSU. For more IEI PSU models, please refer to section 5 or visit [www.ieiworld.com](http://www.ieiworld.com).

# RACK-220G

2U 6-slot Full-size Rackmount Chassis



CD-ROM, and HDD are not included in package



RACK-220GBATX



RACK-220GB  
B-Black

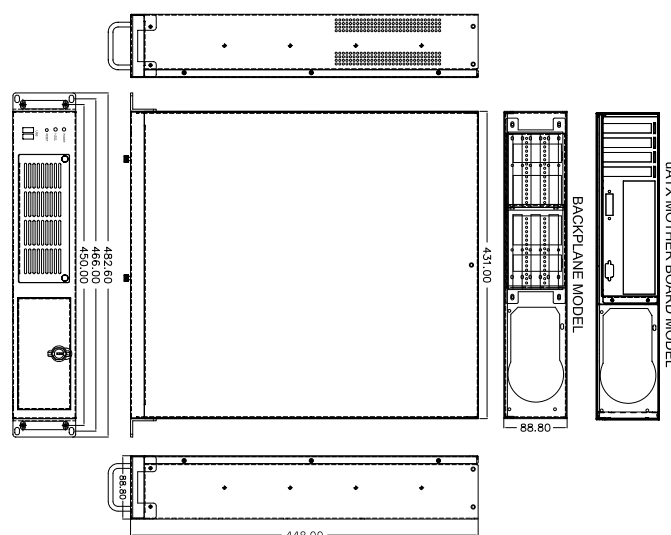
## Features

- RoHS compliant design
- Two USB ports on the front panel
- Two 8 cm cooling fans with replaceable fan filter
- One 5.25" and one 3.5" drive bays
- One 3.5" internal hard drive bay
- Lockable door prevents unauthorized access

## Specifications

◆ Construction	Heavy duty metal
◆ SBC Form Factor	Full-size, slot CPU card
◆ Drive Bays	1 x 5.25" 1 x 3.5" 1 x 3.5" HDD (internal)
◆ Cooling Fans	2 x 8 cm
◆ I/O Ports	2 x USB
◆ Expansion Slots	6 slots
◆ Indicators	Power, HDD
◆ Buttons	Power switch, reset button
◆ Operating Temperature	0°C ~ 50°C
◆ Operating Humidity	10% ~ 90%
◆ Color	Black
◆ Weight (Net/Gross)	8.2 kg/12.4 kg
◆ Dimensions (DxWxH)	448 mm x 431 mm x 88 mm

## Dimensions (Unit: mm)



## Selection Guide

Model No.	SBC Type	PSU Type	Color
RACK-220G [B]	PICMG 1.0	PS/2	Black
RACK-220G [B] ATX	microATX MB	PS/2	Black

## Backplane Options

Model No.	SBC Type	PCI	ISA	PCIe			PSU Connector
				x1	x4	x16	
PCI-5SDA-RS	PICMG 1.0	L2+R2	0	0	0	0	AT/ATX
PCI-5SD6-RS	PICMG 1.0	L2+R2	0	0	0	0	ATX
PCI-6SD-RS	PICMG 1.0	L1+R1	L1+R1	0	0	0	ATX

## Ordering Information

Part No.	Description
RACK-220G [B]/A130B	2U 6-slot full-size rackmount chassis for PICMG 1.0 SBC, (black), 2 x 8 cm fan, with ACE-A130B-R10 (300W ATX model), RoHS
RACK-220G [B] ATX/A130B	2U microATX motherboard rackmount chassis, (black), 2 x 8 cm fan, with ACE-A130B-R10 (300W ATX model), RoHS

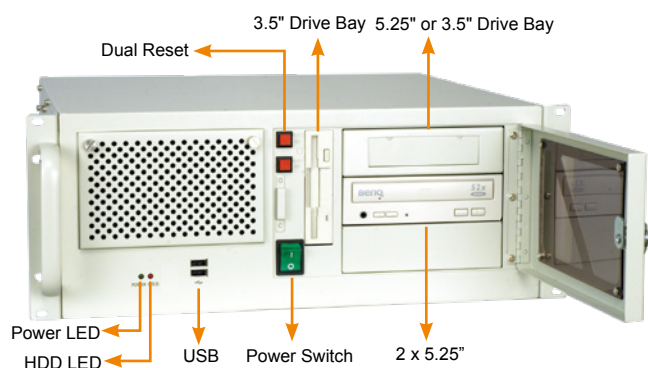
## Power Supply Options

Type	Model No.	Watt
AT	ACE-925AP-U-RS	250W
	ACE-935AL-RS	300W
ATX	ACE-A130B-R10	300W
	ACE-A140A-S-R11	400W

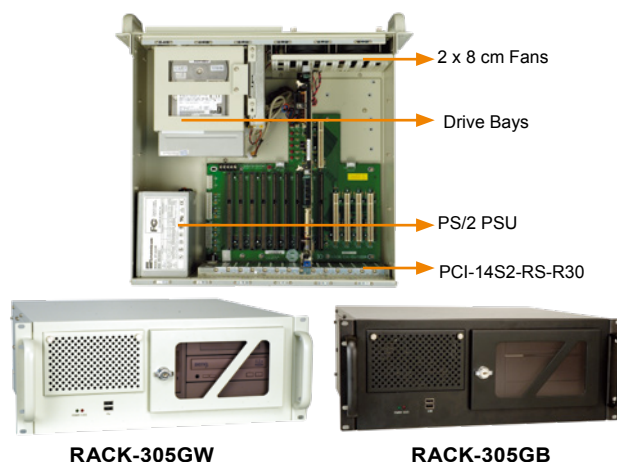
RACK-220G supports single PS/2 PSU. For more IEI PSU models, please refer to section 5 or visit [www.ieiworld.com](http://www.ieiworld.com).

# RACK-305G

4U 14-slot Full-size Rackmount Chassis



CD-ROM, and HDD are not included in package



RACK-305GW

RACK-305GB

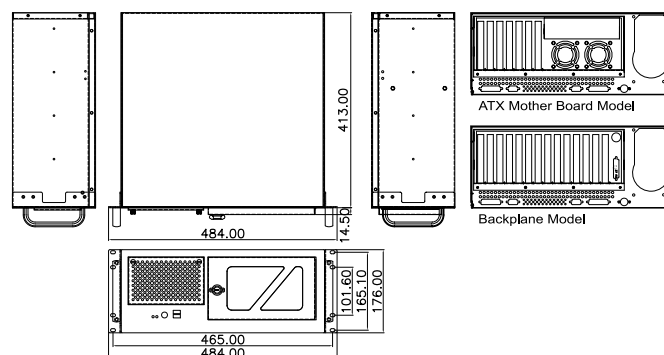
## Features

- RoHS compliant design
- Two USB ports on the front panel
- Dual reset buttons for dual systems
- Two 8 cm cooling fans with replaceable fan filters
- Lockable door prevents unauthorized access

## Specifications

◆ Construction	Heavy duty metal
◆ SBC Form Factor	Full-size, slot CPU card
◆ Drive Combinations	3 x 5.25" + 1 x 3.5" HDD or 2 x 5.25" + 2 x 3.5" HDD or 2 x 5.25" + 1 x 3.5" HDD + 1 x front accessible 3.5" or 2 x 5.25" + 2 x front accessible 3.5"
◆ Cooling Fans	2 x 8 cm
◆ I/O Ports	2 x USB
◆ Expansion Slots	14 slots for RACK-305G 7 slots for RACK-305GATX
◆ Indicators	Power, HDD
◆ Buttons	1 x Power switch, 2 x reset buttons
◆ Operating Temperature	0°C ~ 50°C
◆ Operating Humidity	10% ~ 90%
◆ Color	W: White/B: Black
◆ Weight (Net/Gross)	10.4 kg/15 kg
◆ Dimensions (DxWxH)	413 mm x 431 mm x 176 mm

## Dimensions (Unit: mm)



## Backplane Options

Model No.	SBC Type	PCI	ISA	PCIX	PCIe			PSU Connector
					x1	x4	x16	
PCI-13SD-RS	PICMG 1.0	3+4	3+3	0	0	0	0	AT/ATX
PCI-14S2-RS	PICMG 1.0	4	8	0	0	0	0	AT/ATX
PCI-14S3-RS	PICMG 1.0	4	9	0	0	0	0	AT/ATX
PX-14S3-RS	PICMG 1.0	12	2	0	0	0	0	AT/ATX
PX-14S5-RS	PICMG 1.0	7	6	0	0	0	0	AT/ATX
PE-6S	PICMG 1.3	2	0	0	2	0	1	ATX
PE-10S	PICMG 1.3	4	0	0	4	0	1	ATX
PE-10S2	PICMG 1.3	4	0	0	4	0	1	ATX
PXE-12S	PICMG 1.3	4	0	6	0	0	1	ATX
PE-13SD	PICMG 1.3	4	0	0	4	1	2	ATX
PXE-13S	PICMG 1.3	8	0	0	3	0	1	ATX
SPXE-14S	PICMG 1.3	0	0	0	12	0	0	ATX

## Ordering Information

Part No.	Description
RACK-305G □ -R22/ACE-935AL	4U 14-slot rackmount chassis, USB, (black/white), with ACE-935AL-RS PSU (300W), RoHS
RACK-305G □ -R22/A130B	4U 14-slot rackmount chassis, (black/white), 2 x 8 cm fan, with ACE-A130B-R10 (300W ATX model), RoHS
RACK-305G □ ATX-R22/A130B	4U ATX motherboard rackmount chassis, (black/white), 2 x 8 cm fan, with ACE-A130B-R10 (300W ATX model), RoHS

□ Color Code: B-Black W-White

## Power Supply Options

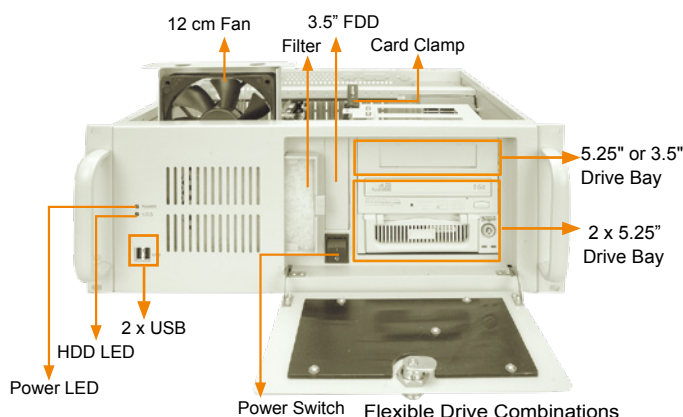
Type	Model No.	Watt
AT	ACE-935AL-RS	300W
	ACE-T140A-RS	400W
ATX	ACE-A130B-R10	300W
	ACE-A140A-S-R11	400W
	ACE-A160A-R11	600W
ATX Redundant	ACE-R4130AP-RS	300W
	ACE-R4140AP-RS	400W

RACK-305G supports single PS/2 PSU. For more IEI PSU models, please refer to section 5 or visit [www.ieiworld.com](http://www.ieiworld.com).



# RACK-360G

4U 14-slot Full-size Rackmount Chassis



RACK-360GW

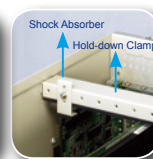
RACK-360GB



Replaceable fan filter



Front accessible I/O



Anti-vibration card clamp

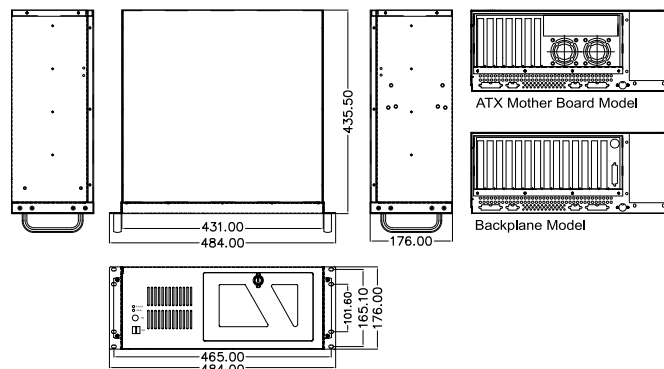
## Features

- Cost-effective, RoHS compatible design
- Flexible drive combinations
- Two USB ports on the front panel
- 12 cm cooling fan with replaceable fan filter
- Lockable door prevents unauthorized access

## Specifications

◆ Construction	Heavy duty metal
◆ SBC Form Factor	Full-size, slot CPU card
◆ Drive Combinations	3 x 5.25" + 1 x 3.5" HDD or 2 x 5.25" + 2 x 3.5" HDD or 2 x 5.25" + 1 x 3.5" HDD + 1 x front accessible 3.5" or 2 x 5.25" + 2 x front accessible 3.5"
◆ Cooling Fans	1 x 12 cm
◆ I/O Ports	2 x USB
◆ I/O Openings	2 x COM, 2 x LPT
◆ Expansion Slots	14 slots for RACK-360G 7 slots for RACK-360GATX
◆ Indicators	Power, HDD
◆ Buttons	Power switch, reset button
◆ Operating Temperature	0°C ~ 50°C
◆ Operating Humidity	10% ~ 90%
◆ Color	B: Black/W: White
◆ Weight (Net/Gross)	11 kg/15.4 kg
◆ Dimensions (DxWxH)	435.5 mm x 431 mm x 176 mm

## Dimensions (Unit: mm)



## Backplane Options

Model No.	SBC Type	PCI	ISA	PCIX	PCIe			PSU Connector
					x1	x4	x16	
PCI-13SD-RS	PICMG 1.0	3+4	3+3	0	0	0	0	AT/ATX
PCI-14S2-RS	PICMG 1.0	4	8	0	0	0	0	AT/ATX
PCI-14S3-RS	PICMG 1.0	4	9	0	0	0	0	AT/ATX
PX-14S3-RS	PICMG 1.0	12	2	0	0	0	0	AT/ATX
PX-14S5-RS	PICMG 1.0	7	6	0	0	0	0	AT/ATX
PE-6S	PICMG 1.3	2	0	0	2	0	1	ATX
PE-10S	PICMG 1.3	4	0	0	4	0	1	ATX
PE-10S2	PICMG 1.3	4	0	0	4	0	1	ATX
PXE-12S	PICMG 1.3	4	0	6	0	0	1	ATX
PE-13SD	PICMG 1.3	4	0	0	4	1	2	ATX
PXE-13S	PICMG 1.3	8	0	0	3	0	1	ATX
SPXE-14S	PICMG 1.3	0	0	0	12	0	0	ATX

## Power Supply Options

Type	Model No.	Watt
AT	ACE-935AL-RS	300W
	ACE-T140A-RS	400W
ATX	ACE-A130B-R10	300W
	ACE-A140A-S-R11	400W
	ACE-A160A-R11	600W
	ACE-A210A-R10	1000W
ATX Redundant	ACE-R4130AP-RS	300W
	ACE-R4140AP-RS	400W

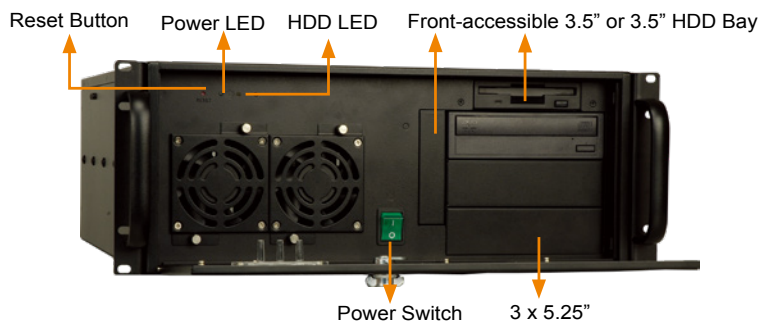
RACK-360G supports single PS/2 PSU. For more IEI PSU models, please refer to section 5 or visit [www.ieiworld.com](http://www.ieiworld.com).

## Ordering Information

Part No.	Description
RACK-360G □ -R23/ACE-935AL	4U 14-slot rackmount chassis, USB, (black/white), with ACE-935AL-RS PSU (300W), RoHS
RACK-360G □ -R23/A130B	4U 14-slot rackmount chassis, (black/white), 1 x 12 cm fan, with ACE-A130B-R10 (300W ATX model), RoHS
RACK-360G □ ATX-R23/A130B	4U ATX motherboard rackmount chassis, (black/white), 1 x 12 cm fan, with ACE-A130B-R10 (300W ATX model), RoHS

□ Color Code: B-Black W-White

# RACK-3000G 4U 14-slot Full-size Rackmount Chassis



CD-ROM and HDD are not included in package



RACK-3000GBATX



RACK-3000GB

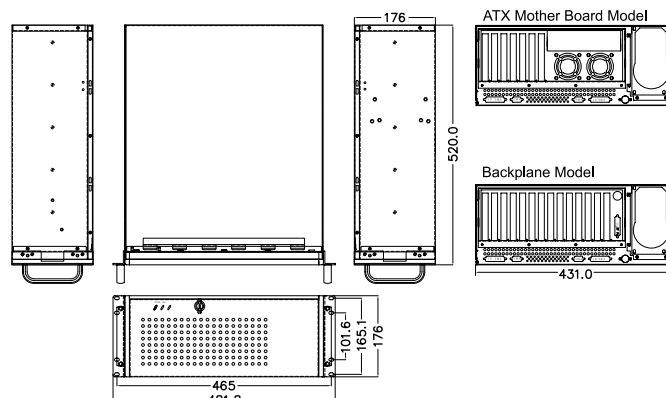
## Features

- RoHS compliant design
- Compatible with ATX and microATX form factor motherboards
- Three 5.25" and three 3.5" drive bays
- Two 8 cm cooling fans
- Lockable door prevents unauthorized access

## Specifications

◆ Construction	Heavy duty metal
◆ SBC Form Factor	Full-size, slot CPU card
◆ Drive Bays	3 x 5.25" + 1 x front-accessible 3.5" + 2 x 3.5" HDD or 3 x 5.25" + 2 x front-accessible 3.5" + 1 x 3.5" HDD or 3 x 5.25" + 3 x 3.5" HDD
◆ Cooling Fans	2 x 8 cm
◆ I/O Openings	2 x COM, 2 x LPT, 1 x PS2
◆ Expansion Slots	14 slots for RACK-3000G 7 slots for RACK-3000GATX
◆ Indicators	Power, HDD
◆ Buttons	Power switch, reset button
◆ Operating Temperature	0°C ~ 50°C
◆ Operation Humidity	10% ~ 90%
◆ Color	Black
◆ Weight (Net/Gross)	13 kg/18 kg
◆ Dimensions (DxWxH)	520 mm x 431 mm x 176 mm

## Dimensions (Unit: mm)



## Backplane Options

Model No.	SBC Type	PCI	ISA	PCIX	PCIe			PSU Connector
					x1	x4	x16	
PCI-13SD-RS	PICMG 1.0	3+4	3+3	0	0	0	0	AT/ATX
PCI-14S2-RS	PICMG 1.0	4	8	0	0	0	0	AT/ATX
PCI-14S3-RS	PICMG 1.0	4	9	0	0	0	0	AT/ATX
PX-14S3-RS	PICMG 1.0	12	2	0	0	0	0	AT/ATX
PX-14S5-RS	PICMG 1.0	7	6	0	0	0	0	AT/ATX
PE-6S	PICMG 1.3	2	0	0	2	0	1	ATX
PE-10S	PICMG 1.3	4	0	0	4	0	1	ATX
PE-10S2	PICMG 1.3	4	0	0	4	0	1	ATX
PXE-12S	PICMG 1.3	4	0	6	0	0	1	ATX
PE-13SD	PICMG 1.3	4	0	0	4	1	2	ATX
PXE-13S	PICMG 1.3	8	0	0	3	0	1	ATX
SPXE-14S	PICMG 1.3	0	0	0	12	0	0	ATX

## Power Supply Options

Type	Model No.	Watt
AT	ACE-935AL-RS	300W
	ACE-T140A-RS	400W
ATX	ACE-A130B-R10	300W
	ACE-A140A-S-R11	400W
	ACE-A160A-R11	600W
	ACE-A210A-R10	1000W
ATX Redundant	ACE-R4130AP-RS	300W
	ACE-R4140AP-RS	400W

RACK-3000G supports single PS/2 PSU. For more IEI PSU models, please refer to section 5 or visit [www.ieiworld.com](http://www.ieiworld.com).

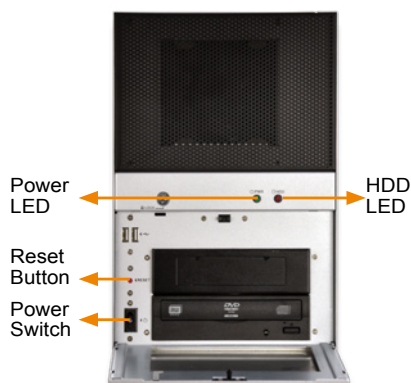
## Ordering Information

Part No.	Description
RACK-3000G[R21/A130B]	4U 14-slot rackmount chassis, (black), 2 x 8 cm fan, with ACE-A130B-R10 (300W ATX model), RoHS
RACK-3000G[ATX-R21/A130B]	4U ATX motherboard rackmount chassis, (black), 2 x 8 cm fan, with ACE-A130B-R10 (300W ATX model), RoHS

# ECA-300

### ***Tower Industrial Chassis***

**New**



## Features

- RoHS compliant design
- Supports ATX/microATX motherboard
- Two 5.25" drive bays and one 3.5"/2.5" HDD/SSD bay
- Seven expansion slots

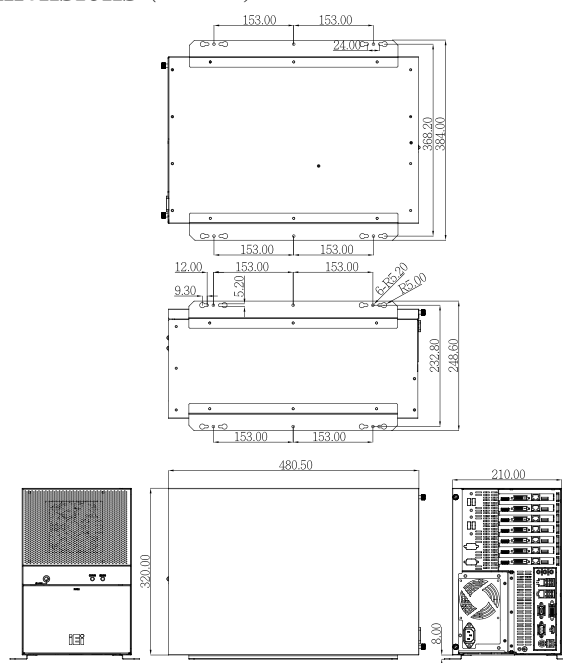
## Specifications

◆ Construction	Heavy duty metal
◆ SBC Form Factor	ATX/microATX
◆ PSU	PS/2 ATX power supply
◆ Drive Bays	2 x 5.25" 1 x 3.5"/2.5" HDD/SSD
◆ Cooling Fans	1
◆ I/O Openings	2 x USB 4 x USB 2 x COM
◆ Expansion Slots	7
◆ Indicators	1 x Power LED, 1 x HDD LED
◆ Buttons	1 x Reset button, 1 x Power switch
◆ Installation	Desktop, wall mount
◆ Operating Temperature	-10°C ~ 50°C
◆ Operating Humidity	5% ~ 95%
◆ Color	Silver
◆ Dimensions (DxWxH)	210 mm x 320 mm x 480.5 mm
◆ Operating Vibration	MIL-STD-810F 514.5C-1
◆ Operating Shock	Half-sine wave 3G, 11ms, 100 shocks per axis
◆ Weight (Net/Gross)	TBD

## Ordering Information

Part No.	Description
<b>ECA-300-R10</b>	Mini-tower chassis, supports microATX or ATX motherboard, one 3.5" HDD/2.5" SSD bay, two 5.25" CD-ROM bays, supports PS/2 ATX power supply, RoHS

### Dimensions (Unit: mm)



### Compatible SBC

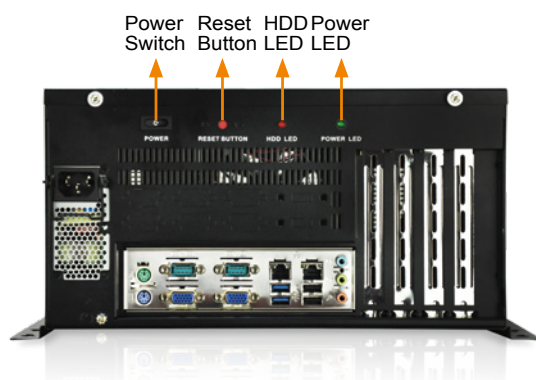
Model No.	SBC Type	PCI	PCIe			
			x1	x4	x8	x16
IMBA-Q170-i2-R10	ATX	2	0	3	2	0
IMBA-H110-R10	ATX	6	0	0	0	1
IMBA-H810-R10	ATX	4	2	0	0	1
IMBA-Q870-i2-R10	ATX	4	1	1	0	1
IMB-Q870-i2-R10	microATX	1	1	1	0	1
IMB-Q770-R10	microATX	1	1	1	0	1
IMB-H810-i2-R10	microATX	2	1	0	0	1
IMB-H610A-R10	microATX	0	3	0	0	1

## Power Supply Options

Type	Model No.	Watt
ATX	ACE-A160A-R11	600W
	ACE-4840APM-RS	400W
	ACE-A140A-R11	400W
	ACE-A130B-R10	300W

# ECA-200

Industrial Chassis

**New**


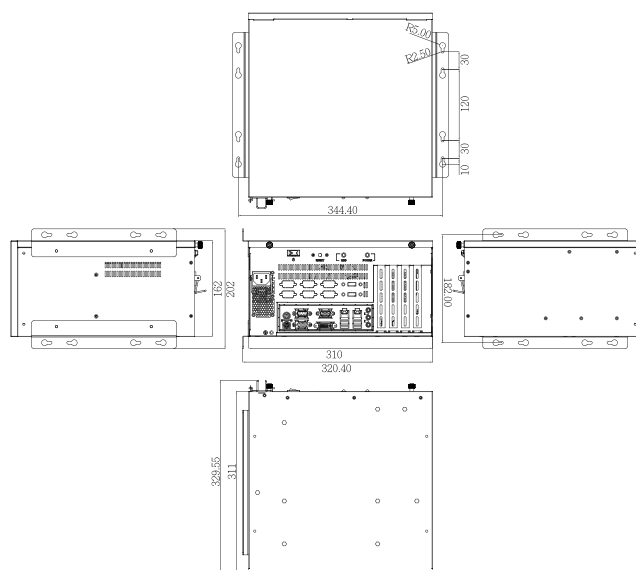
## Features

- RoHS compliant design
- Supports microATX motherboard
- One 3.5" HDD or one 2.5" HDD/SSD bay
- Four expansion slots

## Specifications

◆ Construction	Heavy duty metal
◆ SBC Form Factor	microATX
◆ PSU	1U flex power supply
◆ Drive Bays	1 x 3.5"/2.5" HDD/SSD Expansion: 1 x 3.5"/2.5" HDD/SSD by the optional ECA-HDD-KIT-R10
◆ Cooling Fans	1
◆ I/O Openings	2 x USB 6 x COM
◆ Expansion Slots	4
◆ Indicators	1 x Power LED, 1 x HDD LED
◆ Buttons	1 x Reset button, 1 x Power switch
◆ Installation	Desktop, wall mount
◆ Operating Temperature	-10°C ~ 50°C
◆ Operation Humidity	5% ~ 95%
◆ Color	Black
◆ Dimensions (DxWxH)	310 mm x 310 mm x 162 mm
◆ Operating Vibration	MIL-STD-810F 514.5C-1
◆ Operating Shock	Half-sine wave 3G, 11ms, 100 shocks per axis
◆ Weight (Net/Gross)	TBD

## Dimensions (Unit: mm)



## Compatible SBC

Model No.	SBC Type	PCI	PCIe			
			x1	x4	x8	x16
IMB-Q870-i2-R10	microATX	1	1	1	0	1
IMB-H810-i2-R11	microATX	2	1	0	0	1
IMB-Q770-R10	microATX	1	1	1	0	1
IMB-H810-i2-R10	microATX	2	1	0	0	1
IMB-H610A-R10	microATX	0	3	0	0	1
IMB-H110-R10	microATX	2	1	0	0	1

## Ordering Information

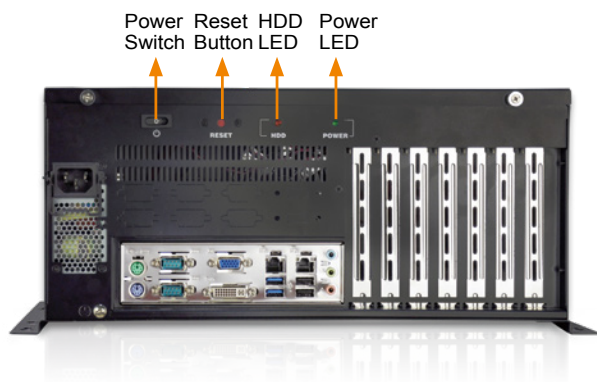
Part No.	Description
ECA-200-R20	Desktop/wall-mount industrial chassis, supports microATX motherboard and 1U ATX power supply, black, RoHS
ECA-HDD-KIT-R10	Additional 2.5"/3.5" HDD kit for ECA-100/ECA-200, R10

## Power Supply Options

Type	Model No.	Watt
ATX	ACE-A615A-RS-R11	150W
	ACE-A618B-RS-R10	180W
	ACE-A622A-RS-R11	220W
	ACE-A627A-RS-R11	270W
	ACE-A630B-RS-R10	300W

## ECA-100

Industrial Chassis

**New**

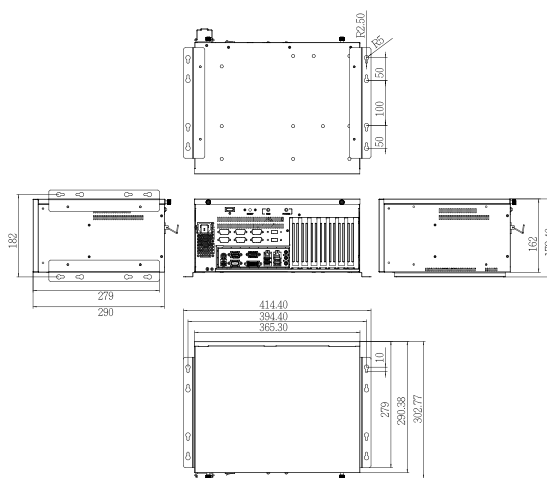
## Features

- RoHS compliant design
- Supports ATX/microATX motherboard
- One 3.5" HDD or one 2.5" HDD/SSD bay
- Seven expansion slots

## Specifications

◆ Construction	Heavy duty metal
◆ SBC Form Factor	ATX/microATX
◆ PSU	1U flex power supply
◆ Drive Bays	1 x 3.5"/2.5" HDD/SSD Expansion: 1 x 3.5"/2.5" HDD/SSD by the optional ECA-HDD-KIT-R10
◆ Cooling Fans	1
◆ I/O Openings	2 x USB 6 x COM
◆ Expansion Slots	7
◆ Indicators	Power LED, HDD LED
◆ Buttons	Power switch, reset button
◆ Installation	Desktop, wall mount
◆ Operating Temperature	-10°C ~ 50°C
◆ Operating Humidity	5% ~ 95%
◆ Storage Temperature	-20°C ~ 60°C
◆ Color	Black
◆ Dimensions (DxWxH)	365 mm x 291 mm x 162 mm
◆ Operating Vibration	MIL-STD-810F 514.5C-1
◆ Operating Shock	Half-sine wave 3G, 11ms, 100 shocks per axis
◆ Weight (Net/Gross)	TBD

## Dimensions (Unit: mm)



## Compatible SBC

Model No.	SBC Type	PCI	PCIe			
			x1	x4	x8	x16
IMBA-Q170-i2-R10	ATX	2	0	3	2	0
IMBA-H110-R10	ATX	6	0	0	0	1
IMBA-H810-R10	ATX	4	2	0	0	1
IMBA-Q870-i2-R10	ATX	4	1	1	0	1
IMBA-Q770-R10	ATX	3	2	1	0	1
IMBA-Q670-R30	ATX	4	1	1	0	1
IMBA-H610-R10	ATX	4	2	0	0	1
IMB-Q870-i2-R10	microATX	1	1	1	0	1
IMB-H810-i2-R11	microATX	2	1	0	0	1
IMB-Q770-R10	microATX	1	1	1	0	1
IMB-H810-i2-R10	microATX	2	1	0	0	1
IMB-H610A-R10	microATX	0	3	0	0	1

## Ordering Information

Part No.	Description
ECA-100-R20	Desktop/wall-mount industrial chassis, supports ATX/microATX motherboard and 1U ATX power supply, black, RoHS
ECA-HDD-KIT-R10	Additional 2.5"/3.5" HDD kit for ECA-100/ECA-200, R10

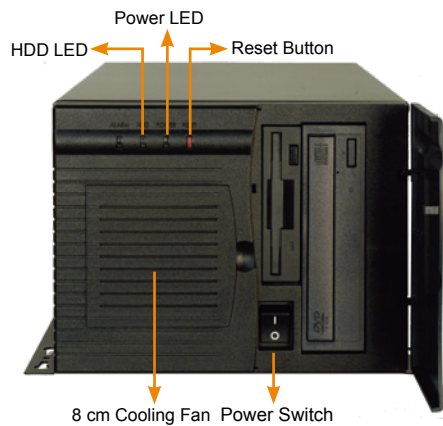
## Power Supply Options

Type	Model No.	Watt
ATX	ACE-A615A-RS-R11	150W
	ACE-A618B-RS-R10	180W
	ACE-A622A-RS-R11	220W
	ACE-A627A-RS-R11	270W
	ACE-A630B-RS-R10	300W

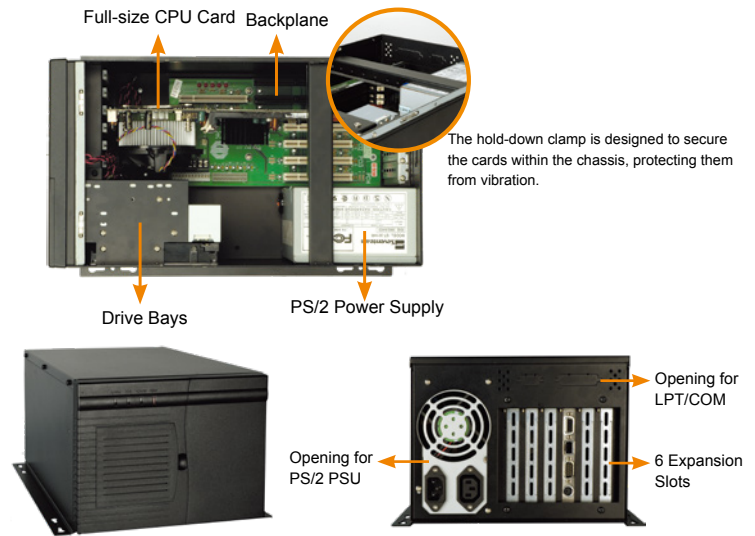


# PAC-1000G

6-slot Full-size Compact Chassis



CD-ROM and HDD are not included in package



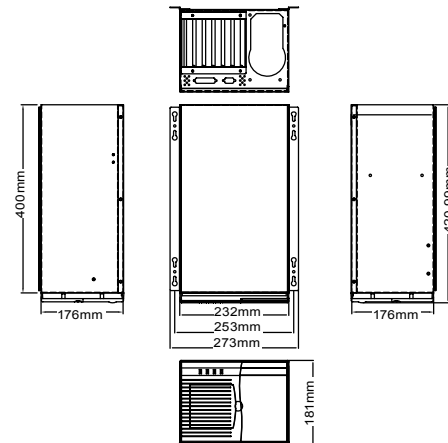
## Features

- RoHS compliant design
- One, 8 cm cooling fan with replaceable fan filter
- Plastic front panel with cover door

## Specifications

◆ Construction	Metal with plastic front panel
◆ SBC Form Factor	Full-size, slot CPU card
◆ Drive Bays	1 x Front-accessible 3.5" 1 x 5.25" 1 x 3.5" HDD
◆ Cooling Fans	1 x 8 cm
◆ I/O Openings	1 x LPT, 1 x COM
◆ Expansion Slots	6 slots
◆ Indicators	Power, HDD
◆ Buttons	Power switch, reset
◆ Operating Temperature	0°C ~ 50°C
◆ Operating Humidity	10% ~ 90%
◆ Color	B: Black
◆ Weight (Net/Gross)	5.6 kg/8.8 kg
◆ Dimensions (DxWxH)	421 mm x 232 mm x 176 mm

## Dimensions (Unit: mm)



## Backplane Options

Model No.	SBC Type	PCI	ISA	PCIe				PSU Connector
				x1	x4	x8	x16	
BP-6S-RS	ISA	0	6	0	0	0	0	AT
IP-6S-RS	PCISA	3	2	0	0	0	0	AT
IP-6SA-RS	PCISA	3	2	0	0	0	0	ATX
PCI-6S-RS	PICMG 1.0	4	2	0	0	0	0	AT/ATX
PCI-5S-RS	PICMG 1.0	3	1	0	0	0	0	AT/ATX
PE-6S2*	PICMG 1.3	3	0	0	1	0	1	ATX
SPE-4S	PICMG 1.3	0	0	0	1	2	0	ATX
SPE-6S	PICMG 1.3	0	0	0	5	0	0	ATX

\*Only R20 or later versions support PICMG 1.3 backplane

## Power Supply Options

Type	Model No.	Watt
AT	ACE-925AP-U-RS	250W
	ACE-T140A-RS	400W
ATX	ACE-A130B-R10	300W
	ACE-A140A-S-R11	400W
	ACE-828V-RS	250W

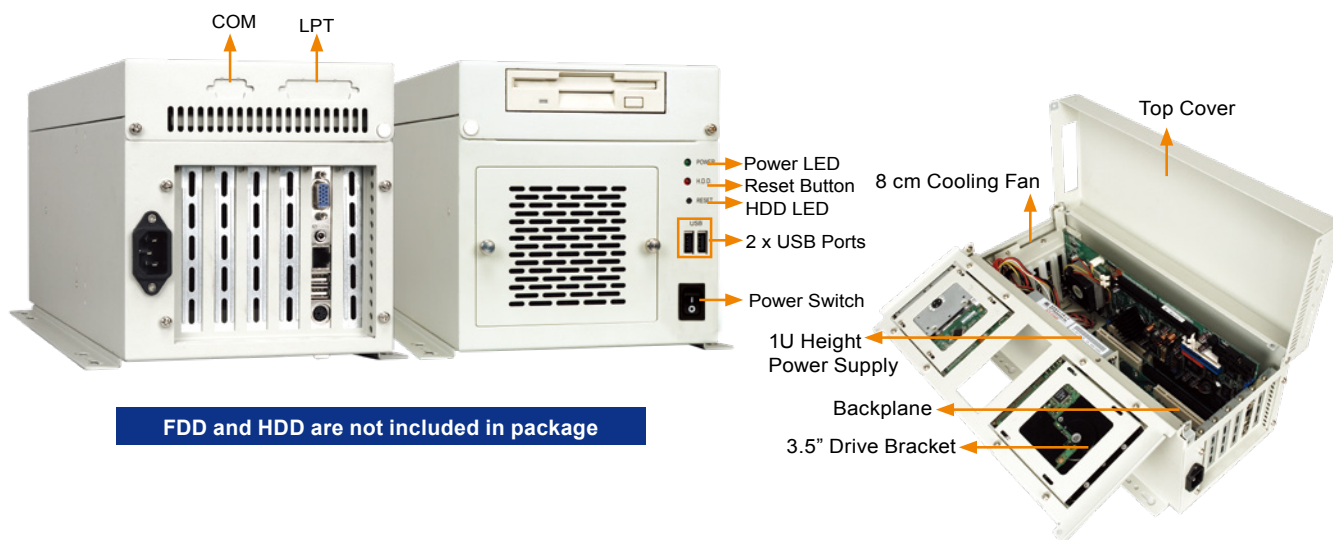
PAC-1000G supports single PS/2 PSU. For more IIE PSU models, please refer to section 5 or visit [www.ieiworld.com](http://www.ieiworld.com).

## Ordering Information

Part No.	Description
PAC-1000GB-R20/A130B	6-slot full-size compact chassis, white, 1 x 8 cm fan, with ACE-A130B-R10 (300W ATX model), RoHS

# PAC-106G

6-slot Full-size Compact Chassis



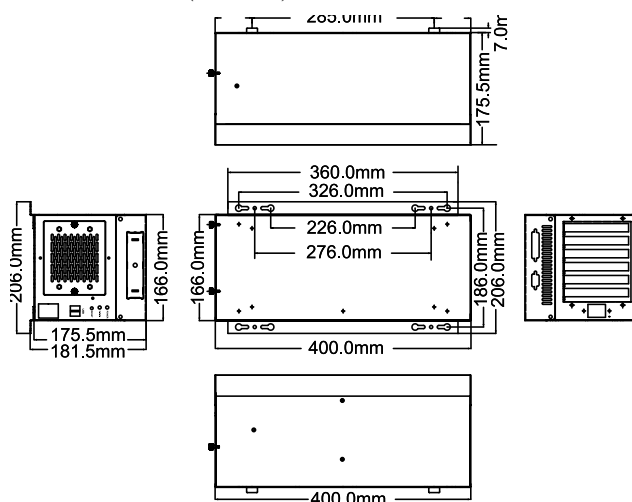
## Features

- RoHS compliant design
- Two USB ports on the front panel
- One 3.5" drive bay and one internal 3.5" HDD bay
- One 8 cm cooling fan

## Specifications

◆ Construction	Heavy duty metal
◆ SBC Form Factor	Full-size, slot CPU card
◆ Drive Bays	1 x Front-accessible 3.5"
	1 x 3.5" HDD
◆ Cooling Fans	1 x 8 cm
◆ I/O Ports	2 x USB
◆ I/O Openings	1 x COM, 1 x LPT
◆ Expansion Slots	6 slots
◆ Indicators	Power, HDD
◆ Buttons	Power switch, reset
◆ Operating Temperature	0°C ~ 50°C
◆ Operating Humidity	10% ~ 90%
◆ Color	W: White
◆ Weight (Net/Gross)	5.2 kg/7.8 kg
◆ Dimensions (DxWxH)	400 mm x 166 mm x 175.5 mm

## Dimensions (Unit: mm)



## Backplane Options

Model No.	SBC Type	PCI	ISA	PCIe				PSU Connector
				x1	x4	x8	x16	
BP-6S-RS	ISA	0	6	0	0	0	0	AT
IP-6S-RS	PCISA	3	2	0	0	0	0	AT
IP-6SA-RS	PCISA	3	2	0	0	0	0	ATX
PCI-6S-RS	PICMG 1.0	4	2	0	0	0	0	AT/ATX
PE-6S2*	PICMG 1.3	3	0	0	1	0	1	ATX
SPE-4S	PICMG 1.3	0	0	0	1	2	0	ATX
SPE-6S	PICMG 1.3	0	0	0	5	0	0	ATX

\*Only R20 or later versions support PICMG 1.3 backplane

## Power Supply Options

Type	Model No.	Watt
ATX	ACE-A618B-RS-R10	180W

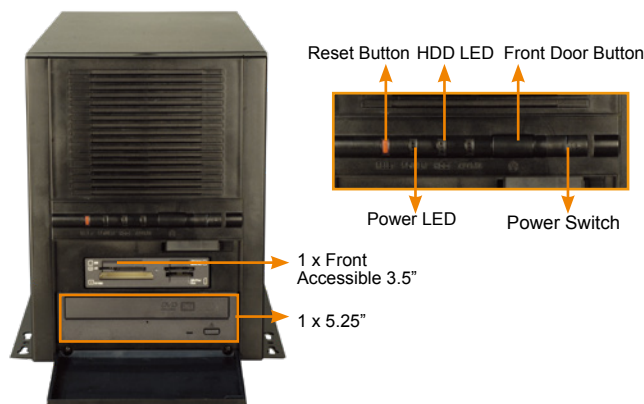
PAC-106G supports single 1U height PSU. For more IEI PSU models, please refer to section 5 or visit [www.ieiworld.com](http://www.ieiworld.com).

## Ordering Information

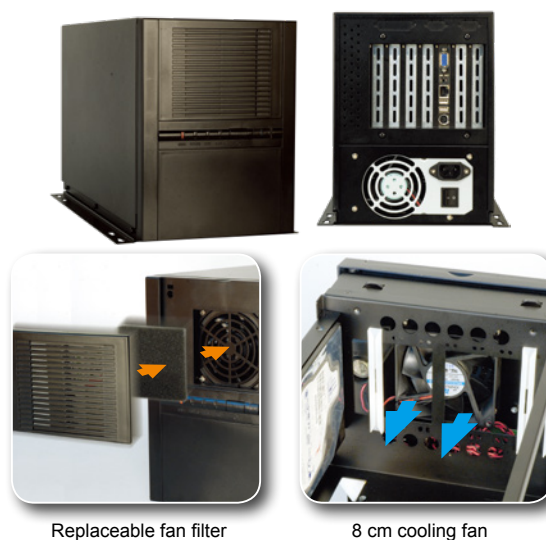
Part No.	Description
PAC-106GW-R21/A618B	6-slot full-size compact chassis, white, 1 x 8 cm fan, with ACE-A618B-RS-R10 (180W ATX model), RoHS

# PAC-1700G

7-slot Full-size Compact Chassis



CD-ROM and HDD are not included in package.



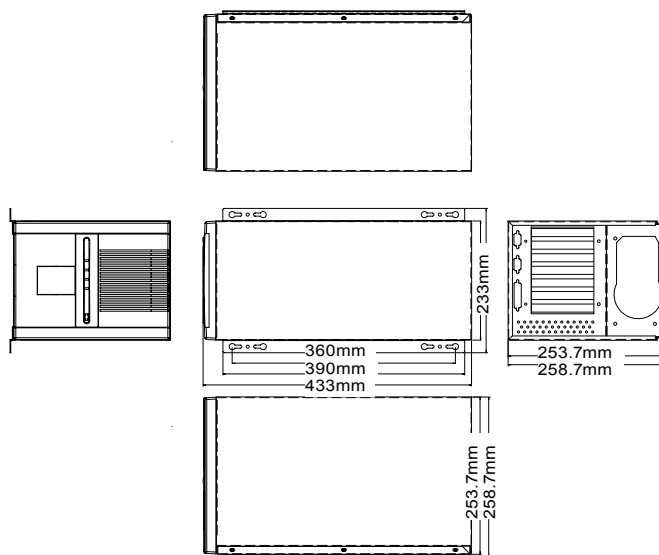
## Features

- RoHS compliant design
- One 5.25" and one 3.5" drive bay
- Two 3.5" internal HDD bays
- Seven expansion slots, compatible with full-size SBC
- 7 expansion slots, compatible with full-size SBC

## Specifications

◆ Construction	Metal with plastic front panel
◆ SBC Form Factor	Full-size, slot CPU card
◆ Drive Bays	1 x front-accessible 3.5"
	1 x 5.25"
	2 x 3.5" HDD
◆ Cooling Fans	1 x 8 cm
◆ I/O Openings	1 x LPT, 2 x COM
◆ Expansion Slots	7 slots
◆ Indicators	Power, HDD
◆ Buttons	Power switch, reset
◆ Operating Temperature	0°C ~ 50°C
◆ Operating Humidity	10% ~ 90%
◆ Color	B: Black
◆ Weight (Net/Gross)	6 kg/8.4 kg
◆ Dimensions (DxWxH)	433 mm x 233 mm x 253.7 mm

## Dimensions (Unit: mm)



## Backplane Options

Model No.	SBC Type	PCI	ISA	PCIe				PSU Connector
				x1	x4	x8	x16	
PCI-7S-RS	PICMG 1.0	4	3	0	0	0	0	AT/ATX
PE-7S*	PICMG 1.3	3	0	2	0	0	1	ATX
PE-7S2*	PICMG 1.3	1	0	4	0	0	1	ATX
HPXE2-7S1	HPCIE	3	0	0	0	2	0	ATX

\*Only R20 or later versions support PICMG 1.3 backplane

## Ordering Information

Part No.	Description
PAC-1700GB-R20/A130B	7-slot full-size compact chassis, black, 1 x 8 cm fan, with ACE-A130B-R10 (300W ATX model), RoHS

## Power Supply Options

Type	Model No.	Watt
ATX	ACE-A130B-R10	300W
	ACE-A140A-S-R11	400W

PAC-1700G supports single PS/2 PSU. For more IIE PSU models, please refer to section 5 or visit [www.ieiworld.com](http://www.ieiworld.com).

# PAC-125G 10-slot Full-size Compact Chassis



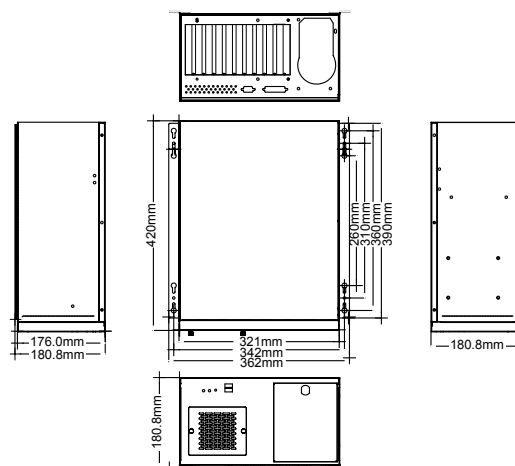
## Features

- RoHS compliant design
- Two USB ports on the front panel
- One 80mm x 80mm x 25mm hot swappable cooling fan with fan filter
- 2 x 5.25", 1 x 3.5" HDD, 1 x front-accessible 3.5" drive bays
- Lockable door prevents unauthorized access

## Specifications

◆ Construction	Heavy duty metal
◆ SBC Form Factor	Full-size, slot CPU card
◆ Drive Bays	2 x 5.25"
	1 x Front accessible 3.5"
	1 x 3.5" HDD
◆ Cooling Fans	80mm x 80mm x 25mm
◆ I/O Ports	2 x USB
◆ I/O Openings	1 x LPT, 1 x COM
◆ Expansion Slots	10 slots
◆ Indicators	Power, HDD
◆ Buttons	Power switch, reset
◆ Operating Temperature	0°C ~ 50°C
◆ Operating Humidity	10% ~ 90%
◆ Color	W: White
◆ Weight (Net/Gross)	7.2 kg/10.4 kg
◆ Dimensions (DxWxH)	420 mm x 321 mm x 176 mm

## Dimensions (Unit: mm)



## Backplane Options

Model No.	SBC Type	PCI	ISA	PCIX	PCIe				PSU Connector
					x1	x4	x8	x16	
BP-10S-RS	ISA	0	10	0	0	0	0	0	AT
PCI-10S-RS	PICMG 1.0	4	5	0	0	0	0	0	AT/ATX
PX-10S-RS	PICMG 1.0	7	3	0	0	0	0	0	AT/ATX
IP-10S-RS	PCISA	4	5	0	0	0	0	0	AT/ATX
IPX-9S-RS	PCISA	8	0	0	0	0	0	0	AT/ATX
HPE-8S	PCI/PIC0e	4	0	0	2	0	0	0	ATX
PE-6S	PICMG 1.3	2	0	0	2	0	0	1	ATX
PE-8S*	PICMG 1.3	3	0	0	3	0	0	1	ATX
SPE-9S	PICMG 1.3	3	0	0	0	3	1	0	ATX

\*Only R20 or later versions support PICMG 1.3 backplane

## Power Supply Options

Type	Model No.	Watt
AT	ACE-925AP-U-RS	250W
	ACE-935AL-RS	300W
ATX	ACE-A130B-R10	300W
	ACE-A140A-S-R11	400W
	ACE-A160A-R11	600W

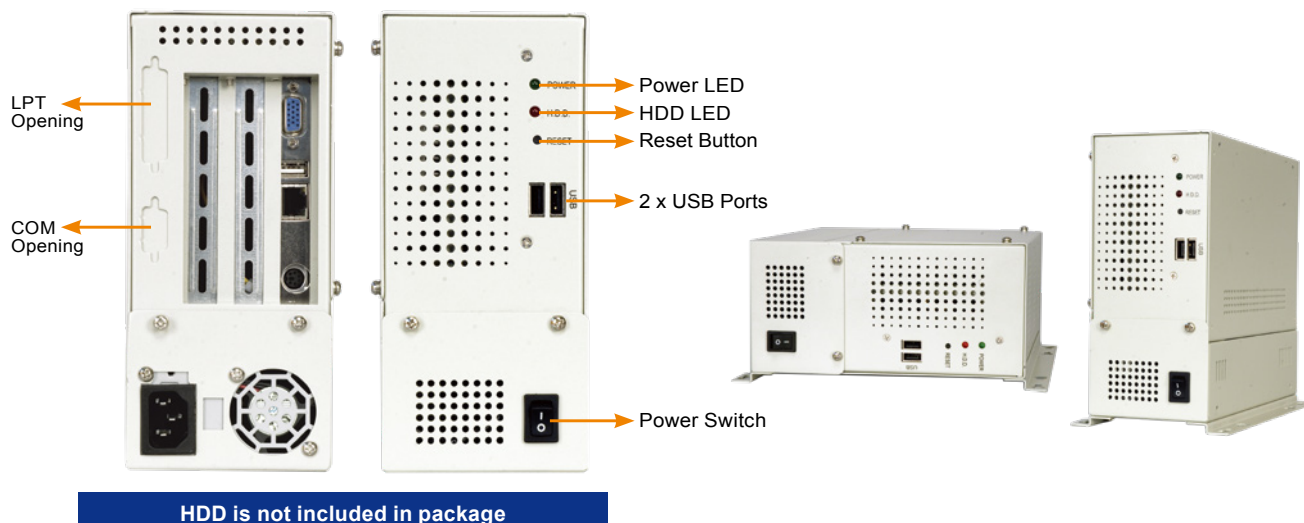
PAC-125G supports single PS/2 PSU. For more IEI PSU models, please refer to section 5 or visit [www.ieiworld.com](http://www.ieiworld.com).

## Ordering Information

Part No.	Description
PAC-125GW-R22/A130B	10-slot full-size compact chassis, white, 1 x 8cm fan, with ACE-A130B-R10 (300W ATX model), RoHS
PAC-125GW-R22/ACE-925AP	10-slot full-size chassis, white, with ACE-925AP PSU (200W), RoHS

# PAC-53GH

3-slot Half-size Compact Chassis



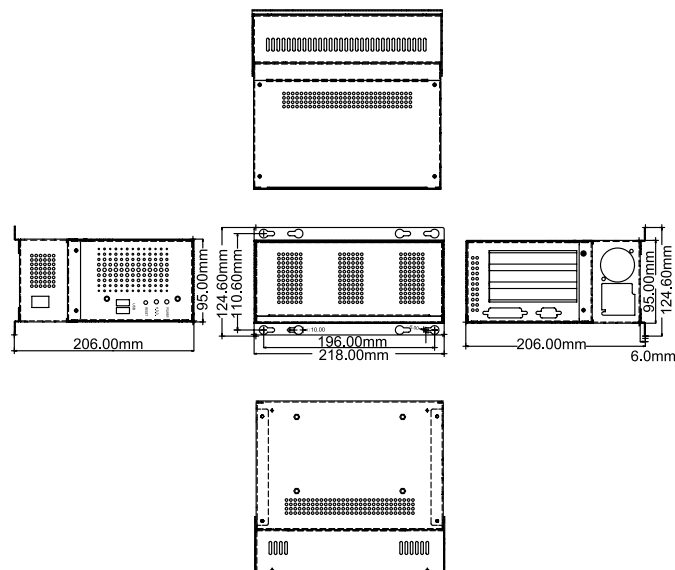
## Features

- RoHS compliant design
- Two USB ports on the front panel
- One 2.5" internal HDD bay

## Specifications

◆ Construction	Heavy duty metal
◆ SBC Form Factor	Half-size, slot CPU cards
◆ Drive Bays	1 x 2.5" HDD
◆ I/O Ports	2 x USB
◆ I/O Openings	1 x LPT, 1 x COM
◆ Expansion Slots	3 slots
◆ Indicators	Power, HDD
◆ Buttons	Power switch, reset
◆ Operating Temperature	0°C ~ 50°C
◆ Operation Humidity	10% ~ 90%
◆ Color	W: White
◆ Weight (Net/Gross)	2 kg/3.8 kg
◆ Dimensions (DxWxH)	218 mm x 95 mm x 200 mm

## Dimensions (Unit: mm)



## Backplane Options

Model No.	SBC Type	PCI	ISA	PCIe			PSU Connector
				x1	x4	x16	
BP-3S-RS	ISA	0	3	0	0	0	AT
IP-3S-RS	PCISA	2	0	0	0	0	AT

## Power Supply Options

Type	Model No.	Watt
ATX	ACE-A618B-RS-R10	180W
	ACE-4520C-RS	200W

PAC-53GH supports single 1U height PSU. For more IEI PSU models, please refer to section 5 or visit [www.ieiworld.com](http://www.ieiworld.com).

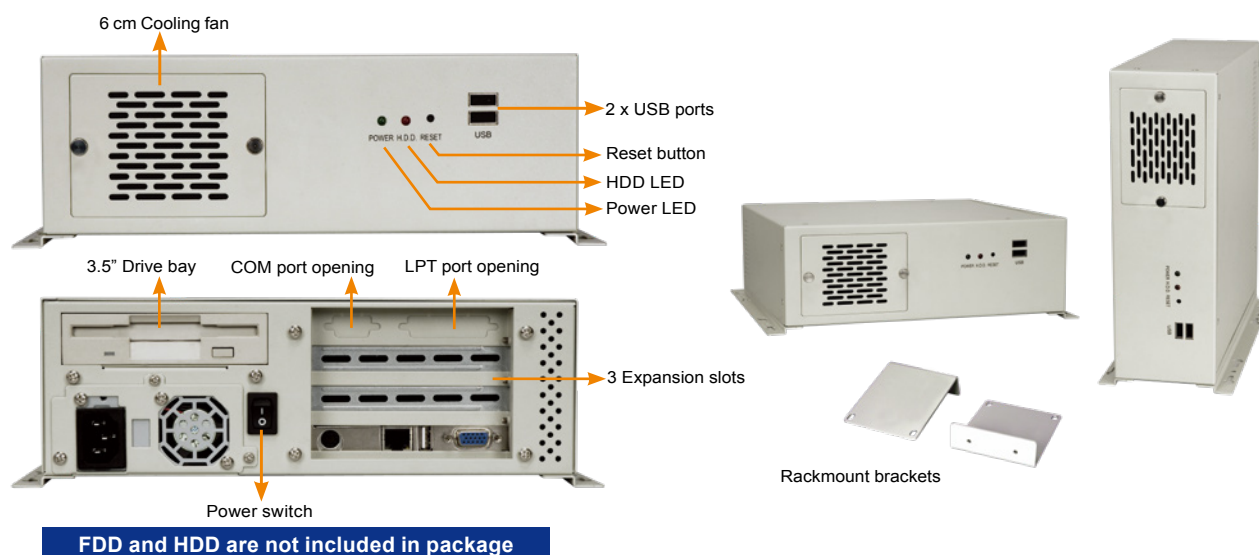
## Ordering Information

Part No.	Description
PAC-53GHW-R11/A618B	3-slot half-size compact chassis, white, with ACE-A618B-RS-R10 (180W ATX model), RoHS



# PR-1300G

## 3-slot Half-size Compact Chassis



### Features

- ◆ RoHS compliant design
- ◆ One 3.5" drive bay
- ◆ Two USB ports on the front panel
- ◆ One, 6 cm cooling fan

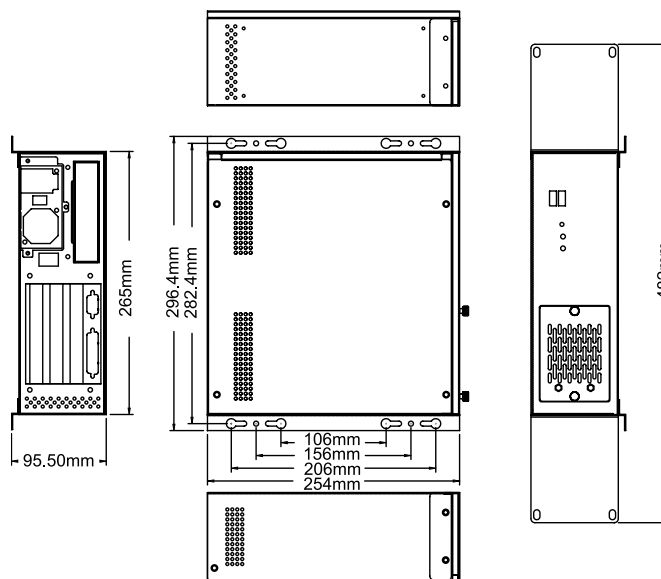
### Specifications

◆ Construction	Heavy duty metal
◆ SBC Form Factor	Half-size, slot SBC
◆ Drive Bays	1 x 3.5" (front accessible/HDD)
◆ Cooling Fans	1 x 6 cm
◆ I/O Ports	2 x USB
◆ I/O Openings	1 x LPT, 1 x COM
◆ Expansion Slots	3 slots
◆ Indicators	Power, HDD
◆ Buttons	Power switch, reset
◆ Operating Temperature	0°C ~ 50°C
◆ Operation Humidity	10% ~ 90%
◆ Color	W: White
◆ Weight (Net/Gross)	2.6 kg/5.2 kg
◆ Dimensions (DxWxH)	254 mm x 265 mm x 95.5 mm

### Ordering Information

Part No.	Description
PR-1300GW-R11	3-Slot Half size Chassis, White color, W/O BP, W/O PSU, RoHS
PR-1300GW-R11/A618B	3-slot Half-size Compact Chassis, White, 1 x 6cm fan, with ACE-A618B-RS-R10 (180W ATX model), RoHS

### Dimensions (measurement units: millimeter)



### Backplane Options

Model No.	SBC Type	PCI	ISA	PCIe			PSU Connector
				x1	x4	x16	
BP-3S-RS	ISA	0	3	0	0	0	AT
IP-3S-RS	PCISA	2	0	0	0	0	AT
HPE-3S1	PICO/PIC0e	2	0	0	0	0	ATX
HPE-3S2	PICO/PIC0e	1	0	0	1	0	ATX

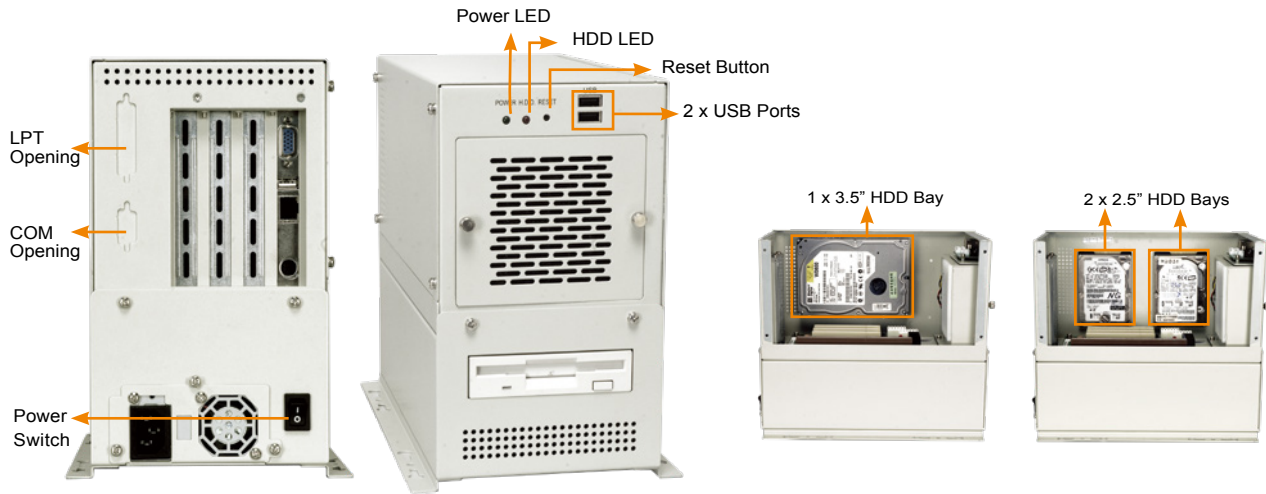
### Power Supply Options

Type	Model No.	Watt
ATX	ACE-A618B-RS-R10	180W

PR-1300G supports single 1U height PSU. For more IEI PSU models, please refer to section 5 or visit [www.ieiworld.com](http://www.ieiworld.com).

# PAC-42GH

4-slot Half-size Compact Chassis



FDD and HDD are not included in package

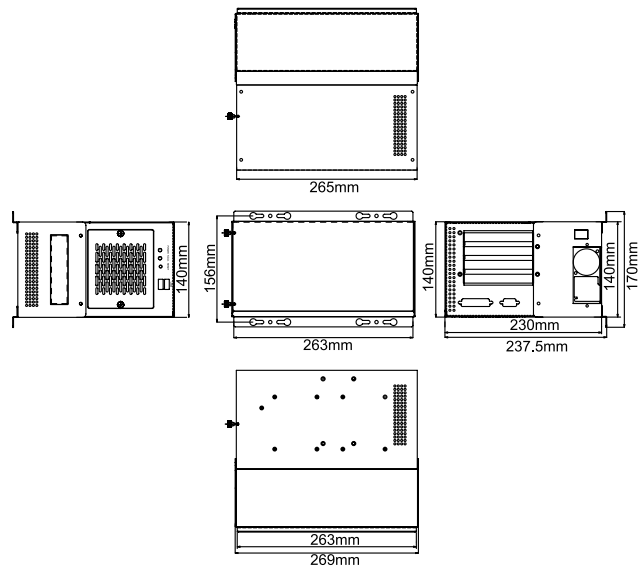
## Features

- Two USB ports on the front panel
- One 8 cm cooling fan with replaceable filter
- Supports one 3.5" HDD or two 2.5" HDDs

## Specifications

◆ Construction	Heavy duty metal
◆ SBC Form Factor	Half-size, slot CPU cards
◆ Drive Combinations	1 x Front-accessible 3.5" and 1 x 3.5" HDD or 1 x Front-accessible 3.5" and 2 x 2.5" HDD
◆ Cooling Fans	1 x 8 cm
◆ I/O Ports	2 x USB
◆ I/O Openings	1 x LPT, 1 x COM
◆ Expansion Slots	4 slots
◆ Indicators	Power, HDD
◆ Buttons	Power switch, reset
◆ Operating Temperature	0°C ~ 50°C
◆ Operating Humidity	10% ~ 90%
◆ Color	W: White
◆ Weight (Net/Gross)	3.9 kg/6.1 kg
◆ Dimensions (DxWxH)	269 mm x 140 mm x 230 mm

## Dimensions (Unit: mm)



## Backplane Options

Model No.	SBC Type	PCI	ISA	PCIe			PSU Connector
				x1	x4	x16	
BP-4S-RS	ISA	0	4	0	0	0	AT
IP-4S-RS	PCISA	3	0	0	0	0	AT
IP-4S2-RS	PCISA	2	1	0	0	0	AT
HPE-4S1	PCI/PICoE	3	0	0	0	0	ATX
HPE-4S2	PCI/PICoE	2	0	0	1	0	ATX

## Ordering Information

Part No.	Description
PAC-42GHWPX-R11/A618B	4-slot half-size compact chassis, white, 1 x 8 cm fan, with ACE-A618B-RS-R10 (180W ATX model), RoHS

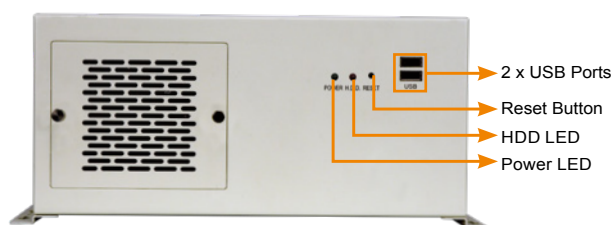
## Power Supply Options

Type	Model No.	Watt
ATX	ACE-A618B-RS-R10	180W

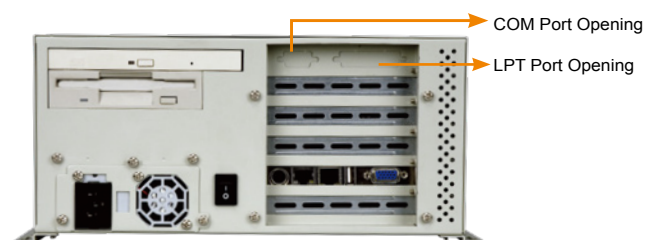
PAC-42GH supports single 1U height PSU. For more IEI PSU models, please refer to section 5 or visit [www.ieiworld.com](http://www.ieiworld.com).

# PR-1500G

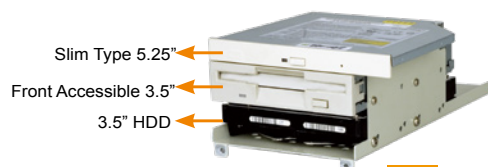
5-slot Half-size Compact Chassis



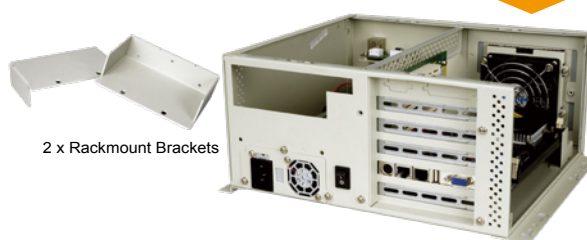
- 2 x USB Ports
- Reset Button
- HDD LED
- Power LED



- COM Port Opening
- LPT Port Opening



- Slim Type 5.25"
- Front Accessible 3.5"
- 3.5" HDD



2 x Rackmount Brackets

CD-ROM and HDD are not included in package.

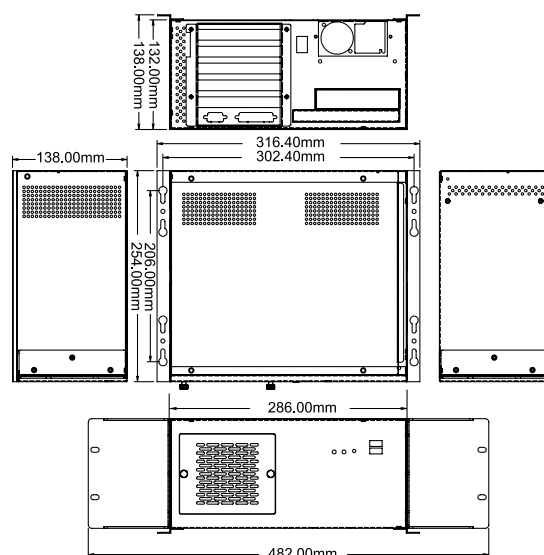
## Features

- RoHS compliant design
- One slim type 5.25" drive bay
- One 3.5" drive bay and one internal 3.5" HDD bay
- Two USB ports on the front panel
- One 8 cm cooling fan

## Specifications

◆ Construction	Heavy duty metal
◆ SBC Form Factor	Half-size, slot SBC
◆ Drive Bays	1 x 3.5" HDD 1 x Front accessible 3.5" 1 x Slim 5.25"
◆ Cooling Fans	1 x 8 cm
◆ I/O Ports	2 x USB
◆ I/O Openings	1 x LPT, 1 x COM
◆ Expansion Slots	5 slots
◆ Indicators	Power, HDD
◆ Buttons	Power switch, reset
◆ Operating Temperature	0°C ~ 50°C
◆ Operating Humidity	10% ~ 90%
◆ Color	W: White
◆ Weight (Net/Gross)	3.6 kg/6.2 kg
◆ Dimensions (DxWxH)	254 mm x 286 mm x 132 mm

## Dimensions (Unit: mm)



## Backplane Options

Model No.	SBC Type	PCI	ISA	PCIe			PSU Connector
				x1	x4	x16	
BP-5S-RS	ISA	0	5	0	0	0	AT
IP-5SA2-RS	PCISA	4	1	0	0	0	ATX
HPE-5S1	PICO/PICoE	4	0	0	0	0	ATX
HPE-5S2	PICO/PICoE	3	0	0	1	0	ATX
HPXE2-5S1	HPCIe	2	0	0	0	1	ATX

## Power Supply Options

Type	Model No.	Watt
ATX	ACE-A618B-RS-R10	180W
	ACE-A225A-R11	250W

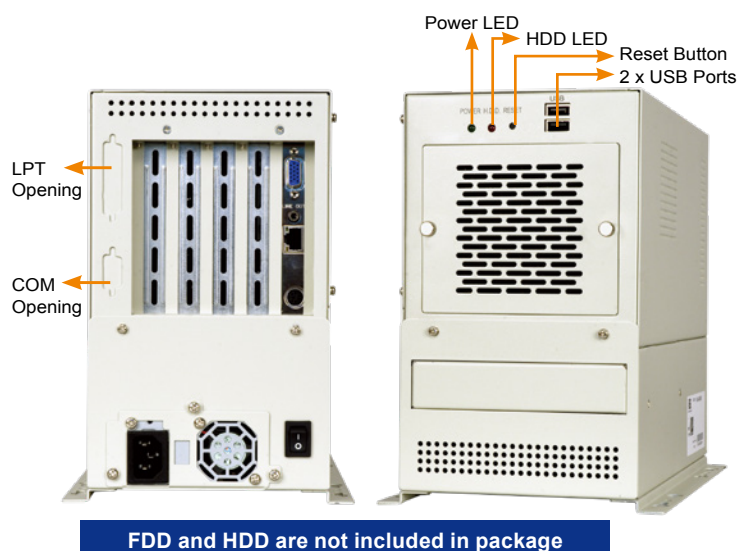
PR-1500G supports single 1U height PSU. For more IEI PSU models, please refer to section 5 or visit [www.ieiworld.com](http://www.ieiworld.com).

## Ordering Information

Part No.	Description
PR-1500GW-R12/A618B	5-slot half-size compact chassis, white, 1 x 8 cm fan, with ACE-A618B-RS-R10 (180W ATX model), RoHS

# PAC-400G

5-slot Half-size Compact Chassis



7G000-ST1110L-RS  
SATA removable drive

3.5" SATA removable drive bay compatible

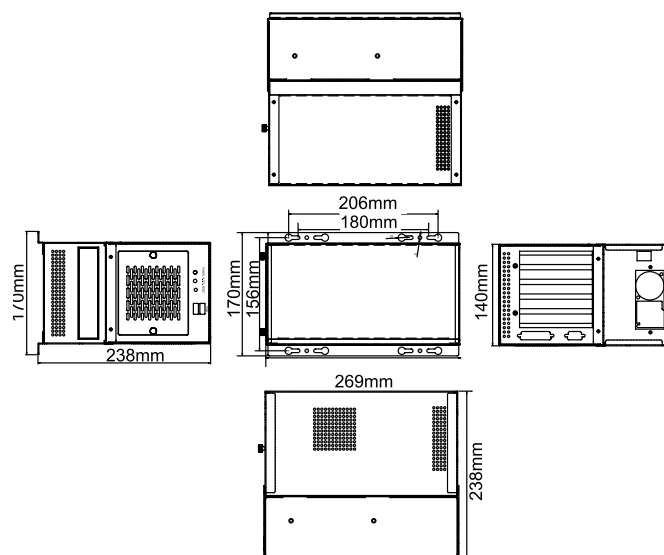
## Features

- RoHS compliant design
- Two USB ports on the front panel
- One 8 cm hot swappable fan
- One 3.5" internal HDD bay
- One 3.5" drive bay, for optional removable drive
- Supports Pentium® 4 half-size CPU card

## Specifications

◆ Construction	Heavy duty metal
◆ SBC Form Factor	Half-size, slot SBC
◆ Drive Bays	1 x 3.5" HDD
◆ Cooling Fans	1 x 8 cm
◆ I/O Ports	2 x USB
◆ I/O Openings	1 x LPT, 1 x COM
◆ Expansion Slots	5 slots
◆ Indicators	Power, HDD
◆ Buttons	Power switch, reset
◆ Operating Temperature	0°C ~ 50°C
◆ Operation Humidity	10% ~ 90%
◆ Color	W: White
◆ Weight (Net/Gross)	3.8 kg/5.6 kg
◆ Dimensions (DxWxH)	269 mm x 140 mm x 230.5mm

## Dimensions (Unit: mm)



## Backplane Options

Model No.	SBC Type	PCI	ISA	PCIe			PSU Connector
				x1	x4	x16	
BP-4S-RS	ISA	0	4	0	0	0	AT
IP-4S-RS	PCISA	3	0	0	0	0	AT
IP-4S2-RS	PCISA	2	1	0	0	0	AT
IP-4S2A-RS	PCISA	3	0	0	0	0	ATX
HPE-4S1	PCI/PICoE	3	0	0	0	0	ATX
HPE-4S2	PCI/PICoE	2	0	0	1	0	ATX

## Ordering Information

Part No.	Description
PAC-400GW-R11/A618B	5-slot half-size compact chassis, white, 1 x 8 cm fan, with ACE-A618B-RS-R10 (180W ATX model), RoHS
7G000-ST1110L-RS	3.5" SATA removable drive bay with keylock, white, RoHS

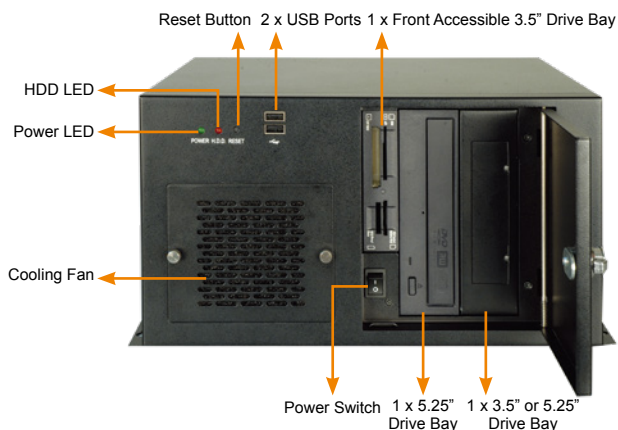
## Power Supply Options

Type	Model No.	Watt
ATX	ACE-A618B-RS-R10	180W

PAC-400G supports single 1U height PSU. For more IEI PSU models, please refer to section 5 or visit [www.ieiworld.com](http://www.ieiworld.com).

# PAC-700G

7-slot Half-size Compact Chassis



CD-ROM, and HDD are not included in package.



## Easy hot-swappable fan



Step 1:  
Loosen the thumb screws



Step 2:  
Pull the fan out gently



Step 3:  
Unplug the power connector

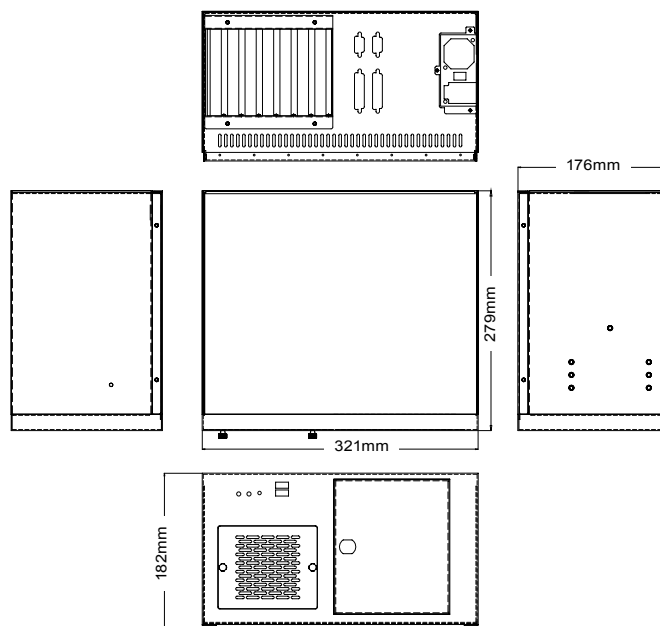
## Features

- RoHS compliant design
- Two USB ports on the front panel
- One, 8 cm cooling fan with fan filter
- Easy access design for quick fan replacement
- Lockable door prevents unauthorized access

## Specifications

◆ Construction	Heavy duty metal
◆ SBC Form Factor	Half-size, slot CPU card
◆ Drive Combinations	2 x 5.25" + 1 x Front accessible 3.5" or 1 x 5.25" + 2 x Front accessible 3.5" or 1 x 5.25" + 1 x Front accessible 3.5" + 1 x 3.5" HDD
◆ Cooling Fans	1 x 8 cm
◆ I/O Ports	2 x USB on front panel
◆ I/O Openings	2 x LPT, 2 x COM
◆ Expansion Slots	7 slots
◆ Indicators	Power, HDD
◆ Buttons	Power switch, reset
◆ Operating Temperature	0°C ~ 50°C
◆ Operating Humidity	10% ~ 90%
◆ Color	B: Black
◆ Weight (Net/Gross)	6.2 kg/9 kg
◆ Dimensions (DxWxH)	279 mm x 321 mm x 176 mm

## Dimensions (Unit: mm)



## Backplane Options

Model No.	SBC Type	PCI	ISA	PCIe				PSU Connector
				x1	x4	x8	x16	
BP-7S-RS	ISA	0	7	0	0	0	0	AT
HPXE2-7S1	HPCI	3	0	0	0	2	0	ATX

## Power Supply Options

Type	Model No.	Watt
ATX	ACE-A618B-RS-R10	180W
	ACE-A225A-R11	250W

PAC-700G supports single 1U height PSU. For more IEI PSU models, please refer to section 5 or visit [www.ieiworld.com](http://www.ieiworld.com).

## Ordering Information

Part No.	Description
PAC-700GB-R11/A618B	7-slot half-size compact chassis, black, 1 x 8 cm fan, with ACE-A618B-RS-R10 (180W ATX model), RoHS