

IPC-644

4-Slot Compact IPC Chassis



Features

- Ultra-compact wallmount/desktop IPC Chassis
- Equipped with a 4-slot ISA or NLX backplane to hold 4 half-size cards
- One front-access 3.5" FDD and one internal 3.5" HDD
- Two (9-pin and 25-pin) I/O ports
- PowerOn switch with connector
- Optional 12/24/48 V_{DC} input power supply
- One 49 CFM filtered cooling fan and one 14 CFM cooling fan
- Replaceable and easy to clean fan filters
- 80 watt AC power supply

Introduction

The IPC-644 is an ultra-compact 4-slot mini node chassis, an ideal embedded application workhorse. The IPC-644 can be equipped with a 4-ISA or 1 ISA / 2 PCI / 1 NLX backplane to hold 4 half-size cards. It is also equipped with both the DC and the AC power inputs. The IPC-644 is suited for environments found on boats and other vehicles on the go, and equally suited for indoor operation.

Designed to offer optimal performance, it comes with two LED indicators on the front panel for DC power and HDD activity, to facilitate easy diagnostics and maintenance. It is also equipped with two controllers, for Reset and Power on/off switch.

Disk drives include one 3.5" FDD and one internal HDD drive. Other features include versatile PCI/ISA-bus backplanes, two 9/25-pin I/O reserved ports, built-in 80 W power supply and two 49/19.4 CFM cooling fans to dissipate heat fast.

Specifications

- **Construction:** Heavy-duty steel
- **Disk drive capacity:** Shock-resistant disk drive bay holds one front accessible 3.5" FDD and one internal 3.5" HDD
- **Cooling system:** Two hot-swap cooling fans, 49 CFM and 19.42 CFM
- **Controls:** System reset, AC Power On/Off switch
- **Status indicators:** LEDs for Power On/Off and HDD activity
- **Speaker:** One 8 Ω compact size speaker
- **Dimension (W x H x D):** 135 x 209 x 305 mm (5.3" x 8.2" x 12")
- **Weight:** 3.8 kg
- **Paint color:** PANTONE 414U
- **Operating temperature:** 0 ~ 50° C (32 ~ 122° F)
- **Relative humidity:** 10~ 95%, @ 40° C, non-condensing
- **CE compliant, UL, C-UL approved**



Power Supply Specifications

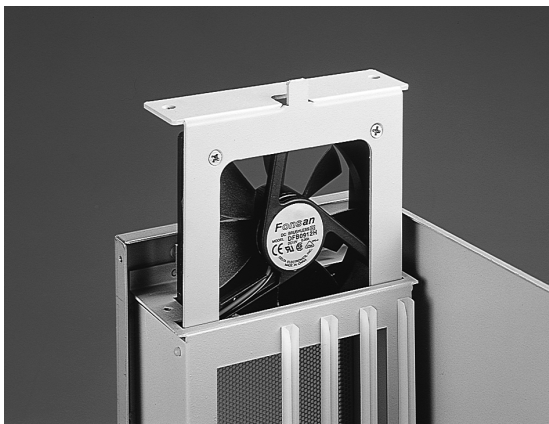
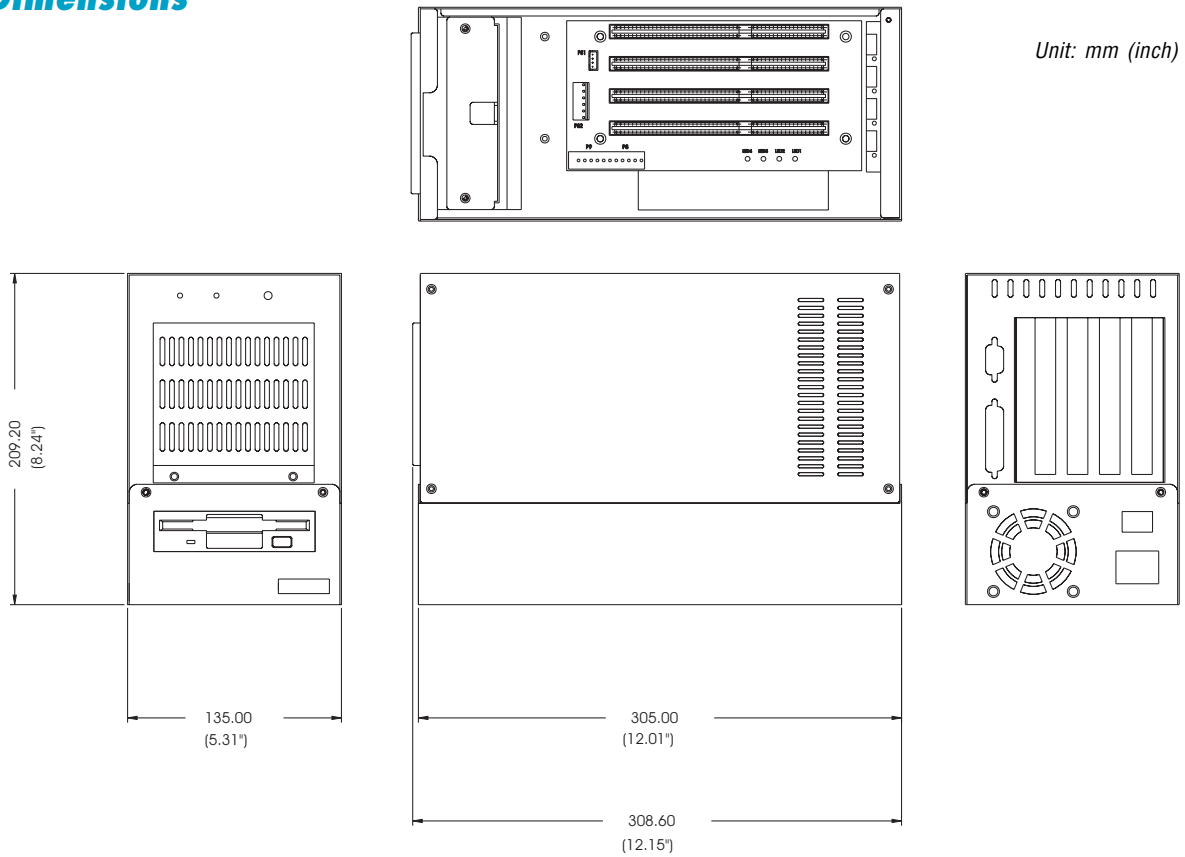
Model Name	Specifications				
	Watt	Input	Output	Mini-load	MTBF
PS-80	80 W	110/220 V _{AC}	+5 V @ 8 A +12 V @ 3.5 A -12 V @ 1 A	+5 V @ 0.7 A +12 V @ 0.3 A	50,000 hours

UL/CSA/TÜV/CE approved



The IPC-644 is ideal for embedded systems. It can be equipped with 4-ISA or 1 ISA / 2PCI / 1NLX backplanes to hold up to 4 half-size cards. An 80 W power supply is included.

Dimensions



The 49 CFM cooling fan is easy to replace and maintain.

Backplane Options

B/P Models	Slots per Segment	Segment
PCA-6104	4 ISA	Single
PCA-6104NP2	1 ISA / 2 PCI / 1 NLX CPU	Single

Ordering Information

- ☐ **IPC-644-80**
With 4 ISA-slot backplane and PS-80 power supply
- ☐ **IPC-644NP2-80**
With 1 ISA / 2 PCI / 1 NLX-slot backplane and PS-80 power supply