

# MIC-3106

# MIC-3111

4U CompactPCI With 2 Peripheral Slots

4U CompactPCI With 7 Peripheral Slots

Preliminary



MIC-3106

MIC-3111

## Features

- 4U CompactPCI supports 2 or 7 peripheral slots
- High performance or low power consumption CPU selectable
- Lockable power on/off switch prevents inadvertent access
- 40dB Ultra low system noise for working environments
- Easy-accessible cooling fan and air filter for system maintenance
- Robust design, Anti-Vibration up to 2G with SSD

## Introduction

The MIC-3106 and 3111 are Advantech's latest IPC's and the first to use the CompactPCI standard. CompactPCI is an open standard that gives users the flexibility to add the components that they need. The small footprint of MIC-3106 and 3111 makes it the smallest CPCI system available and offers either 2 or 7 expansion slots to give users the flexibility to build the system they require. For improved access and configuration, the MIC-3106 and 3111 are front accessible and the highly reliable nature of CompactPCI makes it the perfect choice for industrial applications. The three available models in the MIC-3106 and 3111 offer a choice of either high power or low power CPUs and therefore a range of prices to suit the requirements of specific companies.

## Specifications

		MIC-3106	MIC-3111
<b>Power Supply</b>	Power Type	ATX	ATX
	Input Voltage	100 ~ 240 V <sub>AC</sub>	100 ~ 240 V <sub>AC</sub>
	Wattage	180W	180W
	ON/OFF Switch	Lockable Toggle Switch	Lockable Toggle Switch
<b>Backplane</b>	System Slot	1, on the right	1, on the right
	Peripheral Slot	2 Slots	7 Slots
	PCI Bus	32-bit 33MHz	32-bit 33MHz
<b>Physical</b>	Dimensions (W x H x D mm)	134 x 177 x 238	234 x 177 x 258
	Weight (kg)	4.33 Kg	6.14 Kg
<b>Environment</b>	Temperature	Operating	0 ~ 50°C
		Non-Operating	-20 ~ 60°C
	Humidity (non-condensing)	Operating	10 ~ 85% @ 40°C
		Non-Operating	10 ~ 95% @ 40°C
	Vibration (5 ~ 500 Hz)	Operating	2Grms (without HDD)
		Non-Operating	2G
Shock (11ms)	Operating	10G	
	Non-Operating	30G	
<b>Compliance</b>	Regulatory	CE, FCC, CCC, UL, RoHS	CE, FCC, CCC, UL, RoHS
	Compliance	PICMG 2.0 Rev. 3.0	PICMG 2.0 Rev. 3.0

## Ordering Information

Part Number	Description
MIC-3106-00-AE	Modular Industrial Chassis 4U, 2 slots, w/ 180W
MIC-3111-00-AE	Modular Industrial Chassis 4U, 7 slots, w/ 180W
MIC-3106-L1-AE	4U, 2 slots, w/ 180W, MIC-3325N
MIC-3106-L2-AE	4U, 2 slots, w/ 180W, MIC-3325D
MIC-3106-H1-AE	4U, 2 slots, w/ 180W, MIC-3328 w/ 3217UE
MIC-3111-L1-AE	4U, 7 slots, w/ 180W, MIC-3325N
MIC-3111-L2-AE	4U, 7 slots, w/ 180W, MIC-3325D
MIC-3111-H1-AE	4U, 7 slots, w/ 180W, MIC-3328 w/ 3217UE
MIP-3104-AE	MIC-3100 PCI Hybrid Box
MIC-3106-H2-AE	4U, 2 slots, w/ 180W, MIC-3328 w/ 3517UE
MIC-3111-H2-AE	4U, 7 slots, w/ 180W, MIC-3328 w/ 3517UE

## Optional Accessories

Part Number	Description
1990024035N000	Fan filter 130 x 10 x 12 mm <sup>3</sup> (for MIC-3106)
1990024034N000	Fan filter 230 x 10 x 10 mm <sup>3</sup> (for MIC-3111)
1750002440	Bottom side fan 60 x 60 x 13 mm <sup>3</sup>
1750007398-01	Up side blower 51 x 51 x 15 mm <sup>3</sup>
1960064154N001	4HP bracket cover
1960064193N001	Wall Mount Kit for MIC-3106
1960064192N001	Wall Mount Kit for MIC-3111
1960064183N001	Table Mount for MIC-3106
1960064184N001	Table Mount for MIC-3111

## CPU Options

L1	Processor	CPU	Intel Atom N455, 1.66GHz
		Memory	2 GB Onboard
		Storage	1 x CompactFlash Type II 1 x 2.5" SATA HDD
	Front I/O	VGA	1 x DB15 port
		Ethernet	2 x 10/100/1000 Mbps, RJ45 connector
		USB 2.0	3 x Type A
		Serial	2 x RS-232, DB9 connector
		PS/2	1
	Operating System	Windows	XP, XPE, 7
	L2	Processor System	CPU
Memory			2GB On board
Storage			1 x CompactFlash Type II 1 x 2.5" SATA HDD
Front I/O		VGA	1 x DB15 port
		Ethernet	2 x 10/100/1000 Mbps, RJ45 connector
		USB 2.0	3 x Type A
		Serial	2 x RS-232, DB9 connector
		PS/2	1
Operating System		Windows	XP, XPE, 7

H1	Processor	CPU	Intel 3rd Gen. Core i3-3217UE, 1.6GHz
		Memory	4GB On board
		Storage	1 x CFast 1 x 2.5" SATA HDD
	Front I/O	VGA	1 x DB15 port
		Ethernet	2 x 10/100/1000 Mbps, RJ45 connector
		USB 2.0	2 x Type A
		Serial	2 x RS-232, RJ45 connector
		PS/2	1
	Operating System	Windows	XP, 7
	H2	Processor	CPU
Memory			4GB On board
Storage			1 x CFast 1 x 2.5" SATA HDD
Front I/O		VGA	1 x DB15 port
		Ethernet	2 x 10/100/1000 Mbps, RJ45 connectors
		USB 3.0	2 x Type A
		Serial	2 x RS-232, RJ45 connector
		PS/2	1
Operating System		Windows	XP, 7

## PCI Hybrid Box

MIP-3104			
Backplane	CPCI interface to chassis		1 for chassis
	PCI Slot		4 Slots
	PCI Slot Power (4 Slot)		12V @ 2.4A, -12V @ 0.8A, +5V @ 7.5A, +3.3V @ 10A
Physical	Dimensions (W x H x D mm)		142 x 131 x 213
	Weight (g)		725
	Temperature	Operating	0-50°C
		Non-operating	-20-60°C
	Humidity (non-condensing)	Operating	10-85% @40°C
		Non-operating	10-95% @40°C
	Vibration (5-500 Hz)	Operating	1 Grms (with MIC-3100 chassis)
		Non-operating	1G
Shock (11 ms)	Operating	10G (with MIC-3100 chassis)	
	Non-operating	30G	
Compliance	Regulatory	CE, FCC	
	Compliance	PICMG 2.0 Rev. 3.0	

