

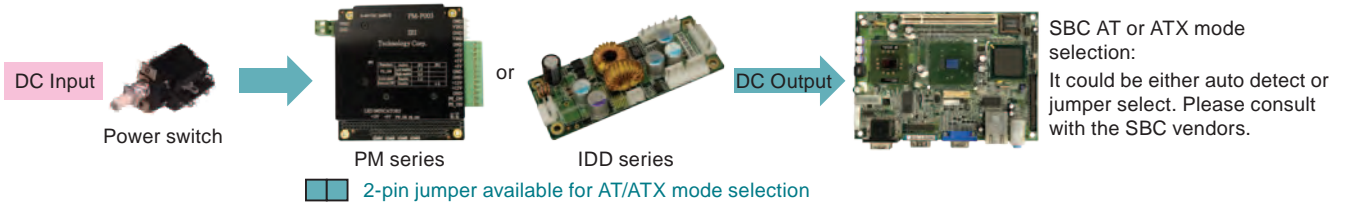
How to Configure the IDD & PM_P Series

AT Mode

1. Power supply without any control signal
2. Power is controlled directly by the power supply's on/off switch.

Installation

Step 1. Set the jumper on the power modules and SBC to AT mode (if available)



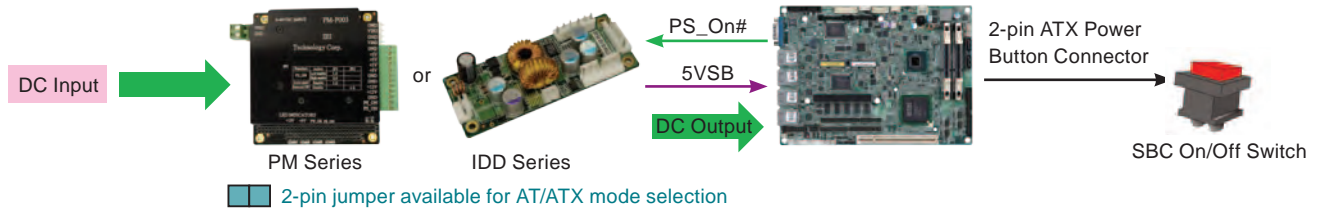
Step 2. Connect all input and output power cables **Step 3.** Wire/Isolate DC input by power switch **Step 4.** Power up by switch

ATX Mode (supports normal Windows® OS power down)

1. Required 5VSB (5V standby power) to SBC.
2. Power supply on/off control by "PS_On#" signal.
3. PS_On# is an active low signal that turns on all power rails.

Installation

Step 1. Set the jumper on the power modules and SBC to ATX mode (if available)



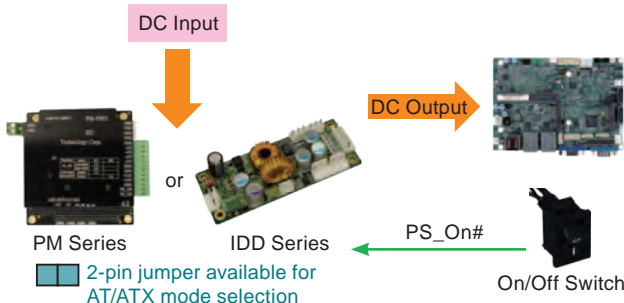
Step 2. Wire 5VSB and PS_ON# from power module to SBC **Step 3.** Wire all input, output power cables **Step 4.** Power up system by SBC on/off switch

Simulated AT Mode

1. The 5 V standby power is not provided to the SBC.
2. Power supply power is controlled by the "PS_On#" signal.
3. The power switch is connected to the power supply.

Installation

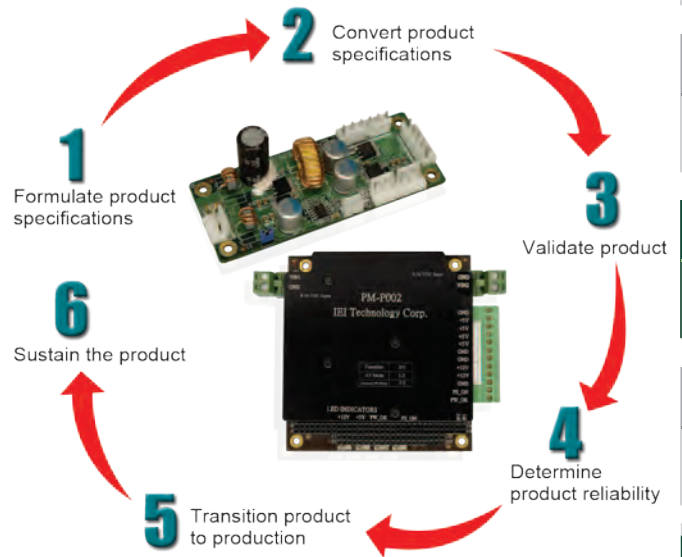
Step 1. Set the jumper on the power modules to ATX mode and set the jumper on the SBC to AT mode (if available)



Step 2. Connect 5 VSB & PS_ON# from the power module to the SBC.
Step 3. Connect all input and output power cables.
Step 4. Power up the system using the power switch connected to the SBC.

From Scratch to Sustain - Commitment

A partnership with IEI does not end at product shipment. We're beside you with ongoing product support as your products evolve and change to meet emerging market requirements.



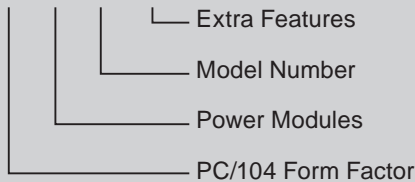
- 1 Industrial Computing Solutions
- 2 Video Capture Solutions
- 3 Embedded Computing Solutions
- 4 Automation Control
- 5 ORing Network Communication
- 6 Power Supply/Peripherals
- 7 Panel Solutions Introduction

Product List

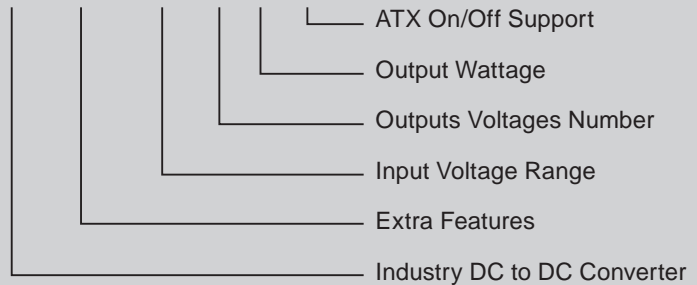
Model No.	Dimensions	Maximum Output Power	Input Voltage	Maximum Output Current							
				12V	5V	3.3V	-12V	5VSB	16V	20V	
IDDV-6304140A	45 mm x 160 mm	140 W	6 ~ 30 V	4 A	10 A	10 A	0.15 A	1.5 A	-	-	
IDDUPS-6364120A	60 mm x 160 mm	120 W	6 ~ 36 V	4 A	10 A	8 A	0.3 A	2 A	-	-	
IDD-9364120A	45 mm x 160 mm	120 W	9 ~ 36 V	4 A	10 A	8 A	0.3 A	2 A	-	-	
IDD-241100	40 mm x 100 mm	100 W	24 V	8.3 A	-	-	-	-	-	-	
IDD-481100	40 mm x 100 mm	100 W	48 V	8.3 A	-	-	-	-	-	-	
IDD-936160	25 mm x 82 mm	60 W	9 ~ 36 V	5 A	-	-	-	-	-	-	
PM-P006UPS	3.775" x 3.55"	65 W	6 ~ 36 V	4 A	10 A	8 A	-	1 A	-	-	
IDD-930160-KIT	42 mm x 103 mm x 31 mm	60 W	9 ~ 30 V	5 A	-	-	-	-	-	-	
IDD-936260A	40 mm x 100 mm	60 W	9 ~ 36 V	3 A	10 A	-	-	0.5 A	-	-	
IDD-12250A	40 mm x 100 mm	50 W + 60 W	12 V	5 A	10 A	-	-	0.5 A	-	-	

Naming Conventions:

PM-P xxx yy



IDD xx - 630 4 120 A



Output Power Calculation

P (Wattage) = V (Voltage) x I (Current)

P_t = Total Output Power

I_1 = Current of Output Voltage1

I_n = Current of Output Voltagen

V_1 = Output Voltage1

V_n = Output Voltagen

$P_t = V_1 \times I_1 + V_2 \times I_2 + \dots + V_n \times I_n$

P_t must be less than max. output power and individual output current must not exceed max. output current.

1

Industrial Computing Solutions

2

Video Capture Solutions

3

Embedded Computing Solutions

4

Automation Control

5

ORing Network Communication

6

Power Supply/ Peripherals

7

Panel Solutions Introduction

Dedicated Engineering Team - Professional

Our dedicated team offers application-specific integrated solutions and will design a customized product that will put you out in front of the competition.

Our solutions include standard/non-standard voltages, isolated/non-isolated, any form factor, power sequencing, battery chargers, electromechanical interference protection, thermal management, remote on/off and I/O interface.



Advanced Test Equipment – Precision & Reliability



Timing/Noise Analyzer Chroma 6011



Electronic Load Chroma 6312 Series



Power Analyzer Chroma 6632