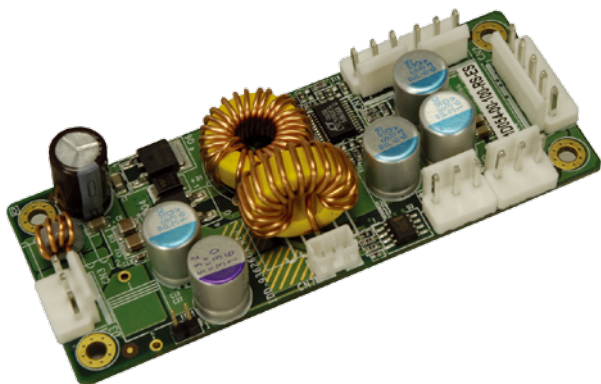


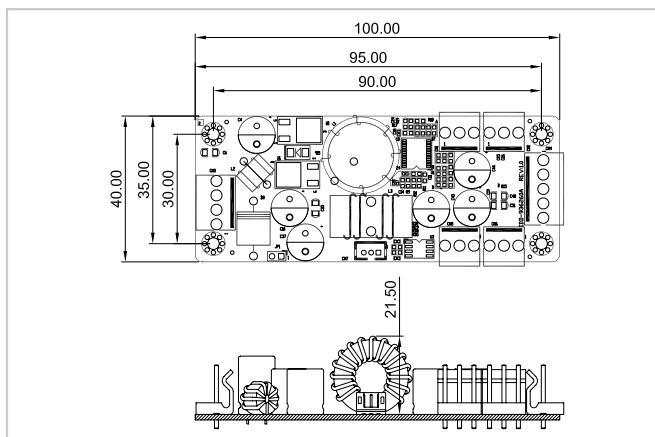
# IDD-936260A 60 W DC/DC Converter Module



## Features

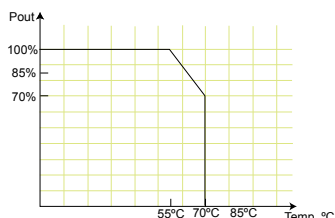
1. Wide input range: 9-36 VDC
2. AT or ATX mode on/off
3. Up to 90% efficiency
4. RoHS compliant
5. Compact size

## Dimensions (Millimeters)



## Specifications

- Output (max.): 12 V@3 A, 5 V@10 A & 5 VSB@0.5 A  
Max. total output: 60 W
- Input: 9 VDC to 36 VDC
- Performance characteristics  
Noise & ripple: <240 mV  
Line regulation: <50 mV  
Load regulation: <100 mV  
Efficiency: Up to 90%
- Dimensions: 40 mm x 100 mm
- Weight: NW: 58 g
- Operating temperature: -20°C ~ 70°C



## Pin Assignments

### Input Power Connector

CN3	Pin 1	Pin 2	Pin 3	Pin 4
	VIN	VIN	GND	GND

### Output Power Connector

CN4	Pin 1	Pin 2	Pin 3	Pin 4	Pin5
	+5 V	+5 V	GND	GND	+12 V

CN1 CN2 CN5 CN6	Pin 1	Pin 2	Pin 3
	+5 V	GND	+12 V

### ATX Mode Connector

CN7	Pin 1	Pin 2	Pin 3
	5 VSB	GND	PS_ON

## Wire Harness Selection Guide

### DC Input (CN3)

#### Options 1.

**PN: CB-P1LP4-RS**  
Cable for FSP0601AD101C 60 W/  
UP0451E12P 45 W/UP0251E12PL  
25 W AC-DC adapter

#### Options 2.

**PN: CB-MD4P4-RS**  
Cable for 63000-FSP120AAB-RS  
120 W AC-DC adapter

#### Options 3.

**PN: CB-NOLP4-RS**  
Cable for terminal block

### I/O Power (CN1, CN2, CN5 & CN6)

#### Options 1.

**PN: CB-3PSATA-RS**  
Cable for SATA

#### Options 2.

**PN: CB-3PIDE-RS**  
Cable for IDE HDD or any STD 4  
pins I/O devices

### SBC Main Power (CN4)

#### Options 1.

**PN: CB-5PSBC-RS**

5-pin connector to DC/DC power modules CN4  
Std 4-pin 12 V, 5 V I/O connector for WAFER, NOVA, Enano series SBC or I/O devices  
12 V only connector for NANO series SBC  
Cable for SATA HDD

### Power On/Off (CN7)

#### Options 1.

**PN: CB-JST3PSW-RS**  
Cable with on/off switch

#### Options 2.

**PN: CB-JST3P001-RS**  
Cable to SBC (5 VSB & PS\_ON)

## Packing Information

1 x IDD-936260A

1 x QIG

## Ordering Information

Part No.	Description
<b>IDD-936260A-R10</b>	60 W DC/DC 9~36 V input; 12 V, 5 V & 5 VSB output
<b>CB-5PSBC-RS</b>	20 cm cable to SBC power input
<b>CB-JST3PSW-RS</b>	30 cm cable oN/off switch
<b>CB-JST3P001-RS</b>	30 cm 5 VSB, PS_ON wire to SBC
<b>CB-3PSATA-RS</b>	10 cm cable for SATA power
<b>CB-3PIDE-RS</b>	10 cm cable for IDE HDD power
<b>CB-P1LP4-RS</b>	20 cm cable for FSP0601AD101C 60 W/ UP0451E12P 45 W/UP0251E12PL 25 W AC-DC adapter
<b>CB-MD4P4-RS</b>	16 cm cable for 63000-FSP120AAB-RS 120 W AC-DC adapter
<b>CB-NOLP4-RS</b>	20 cm cable for terminal block DC input