

GADIWA-B9220 is a wide-input DC-to-DC board-mounted converter delivering up to 220W of continuous output power for industrial applications. GADIWA-B9220 offers a compact and cost-efficient design, supports low-airflow environments, has passed industrial-grade EMC testing, and is manufactured on an automated production line to ensure high quality and reliable performance.

## FEATURES

- Compact design with simplified installation and maintenance.
- 9-36V/Wide-input, plug into the ATX connector with board output.
- Small size for 1U or higher system to save space.
- CE/FCC compliant; Industrial EMC: EN 61000-6-2, EN 61000-6-4.
- -40°C to 80°C wide temperature support.

## SPECIFICATION

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| Input Voltage         | 9-36 V DC                                             |
| Output                | 220 Watts                                             |
| Efficiency            | > 90% @12V input, 220W output, 25°C                   |
| MTBF                  | 420,000hrs @ 55°C                                     |
| EMC Approval          | CE, FCC<br>Industrial EMC: EN 61000-6-2, EN 61000-6-4 |
| Input Connector       | 9V-36V 8 pin                                          |
| Output Connector      | ATX 20 Pin + 12V 4 Pin                                |
| Dimension (WxDxH)     | 150 x 51 x 27 mm                                      |
| Operation Temperature | -40°C to 80°C                                         |

## CHARACTERISTICS

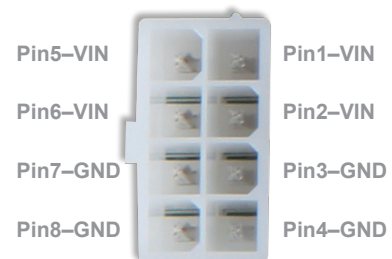
| Output Voltage | Load Regulation      | Cross Regulation   |
|----------------|----------------------|--------------------|
| +12V           | 0~15A                | 15A                |
| +5V            | 0~10A                | 10A                |
| +3.3V          | 0~8A                 | 8A                 |
| +5VSB          | 0~2A(Share with +5V) | 2A(Share with +5V) |
| -12V           | 0~0.1A               | 0.1A               |

## ORDERING GUIDE

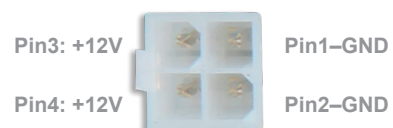
- **GADIWA-B9220**  
220W DC/DC 9V~36V/wide-input.ATX/output.Wide Temperature.Board Type Converter

## Power Connector Pinout

### J1 DCIN



### J3 ATX out



## MECHANICAL DRAWING

