

# PS8-250ATX

80 Plus 250W PS/2 Single Power Supply

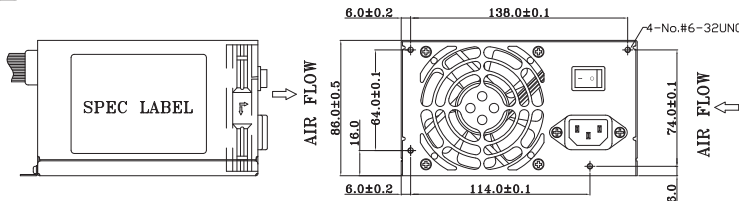
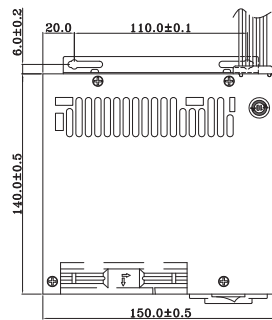
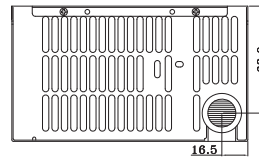
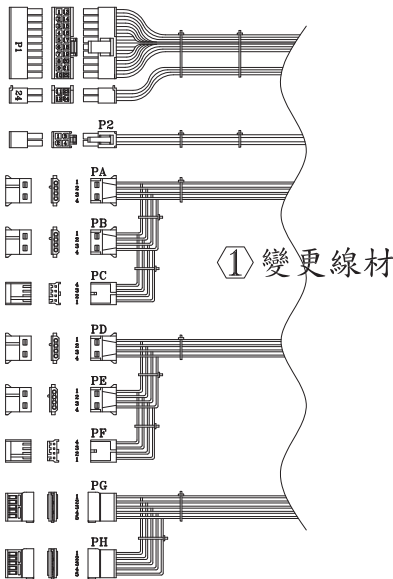


|                      |                  |  |                      |                                   |  |
|----------------------|------------------|--|----------------------|-----------------------------------|--|
| AC Input             | Voltage          | 90 - 264 V   |                      |                                   |  |
|                      | Frequency        | 47 - 63 Hz   |                      |                                   |  |
|                      | Input Current    | 6A R.M.S Max.@115V full load<br>3A R.M.S Max.@230V full load                       |                      |                                   |  |
| DC Output            | <b>Voltage</b>   | <b>Min. load (A)</b>   | <b>Max. load (A)</b> | <b>Ripple &amp; Noise (mVp-p)</b> |  |
|                      | +3.3V            | 0  | 20.0                 | 50                                |  |
|                      | +5V              | 0.5  | 21.0                 | 50                                |  |
|                      | +12V1            | 0.5  | 16.0                 | 120                               |  |
|                      | +12V2            | 0.5  | 16.0                 | 120                               |  |
|                      | -5V              | 0  | 0.3                  | 100                               |  |
|                      | -12V             | 0  | 0.3                  | 120                               |  |
|                      | +5Vsb            | 0  | 2.5                  | 50                                |  |
| General Spec.        | OVP              | +5V : 5.7V to 7.0V<br>+12V1 & +12V2 : 13.3V to 16V<br>+3.3V : 3.7V to 4.8V         |                      |                                   |  |
|                      | OCP              | +3.3V, +5V, +12V1, +12V2   |                      |                                   |  |
|                      | Watt             | 250W   |                      |                                   |  |
|                      | PFC              | Active   |                      |                                   |  |
|                      | MTBF             | 100,000 hrs @ 25° C  |                      |                                   |  |
|                      | Temperature      | Operating : 0 to 50° C<br>Storage : -20 to 80° C                                   |                      |                                   |  |
|                      | Humidity         | Operating : 5% to 85% RH, non-condensing<br>Storage : 5% to 95% RH, non-condensing |                      |                                   |  |
|                      | Dimension        | 86 x 150 x 140 mm (3.39" x 5.91" x 5.51")  |                      |                                   |  |
|                      | Output Connector | 20+4P ATX *1   |                      |                                   |  |
|                      |                  | PATA *4  |                      |                                   |  |
| FDD *2               |                  |  |                      |                                   |  |
| SATA *2<br>4P-12V *1 |                  |  |                      |                                   |  |



## Dimensions

Unit: mm



| REF ID | PIN NO. | SIGNAL  | WIRE COLOR | GAUGE | CONNECTOR TYPE   | CABLE LENGTH  |
|--------|---------|---------|------------|-------|------------------|---------------|
| P1     | 1       | +3.3VDC | ORANGE     | 20    | WST              | 500±15mm      |
|        | 2       | +3.3VDC | ORANGE     | 20    | PA-              |               |
|        | 3       | COM     | BLACK      | 20    | PA+              |               |
|        | 4       | +5VDC   | RED        | 20    | PA-              |               |
|        | 5       | COM     | BLACK      | 20    | PA+              |               |
|        | 6       | +5VDC   | RED        | 20    |                  |               |
|        | 7       | COM     | BLACK      | 20    |                  |               |
|        | 8       | PS-ON   | GRAY       | 22    |                  |               |
|        | 9       | +5Vsb   | PURPLE     | 20    |                  |               |
|        | 10      | +12V2   | YELLOW     | 20    |                  |               |
|        | 11      | +12V2   | YELLOW     | 20    |                  |               |
|        | 12      | +3.3VDC | ORANGE     | 20    |                  |               |
|        | 13      | +3.3VDC | BROWN      | 22    |                  |               |
|        | 14      | -12VDC  | BLUE       | 22    |                  |               |
|        | 15      | COM     | BLACK      | 20    |                  |               |
|        | 16      | PS-ON   | GREEN      | 22    |                  |               |
|        | 17      | COM     | BLACK      | 20    |                  |               |
|        | 18      | COM     | BLACK      | 20    |                  |               |
|        | 19      | COM     | BLACK      | 20    |                  |               |
|        | 20      | -5VDC   | WHITE      | 22    |                  |               |
|        | 21      | +5VDC   | RED        | 20    |                  |               |
|        | 22      | +5VDC   | RED        | 20    |                  |               |
|        | 23      | +5VDC   | RED        | 20    |                  |               |
|        | 24      | COM     | BLACK      | 20    |                  |               |
| P2     | 1       | COM     | BLACK      | 20    | MOLEX 39-01-2040 | 500±15mm      |
|        | 2       | COM     | BLACK      | 20    |                  |               |
|        | 3       | +12V1   | Yel/Black  | 20    |                  |               |
|        | 4       | +12V1   | Yel/Black  | 20    |                  |               |
| PA     | 1       | +12V2   | YELLOW     | 20    | AMP              | -0390±15mm    |
|        | 2       | COM     | BLACK      | 20    |                  |               |
| PB     | 1       | +5V     | RED        | 20    | AMP              | -0155±10mm    |
|        | 2       | COM     | BLACK      | 20    |                  |               |
| PC     | 1       | +5V     | RED        | 22    | AMP              | -0155±10mm    |
|        | 2       | COM     | BLACK      | 22    |                  |               |
| PD     | 1       | +12V2   | YELLOW     | 22    | AMP              | -0155±10mm    |
|        | 2       | COM     | BLACK      | 22    |                  |               |
| PE     | 1       | +5V     | RED        | 20    | MOLEX SD-67582   | -001 390±15mm |
|        | 2       | COM     | BLACK      | 20    |                  |               |
| PG     | 1       | +3.3VDC | ORANGE     | 20    | MOLEX SD-67582   | -001 390±15mm |
|        | 2       | COM     | BLACK      | 20    |                  |               |
| PH     | 1       | +12V2   | YELLOW     | 20    | MOLEX SD-67582   | -001 155±10mm |
|        | 2       | COM     | BLACK      | 20    |                  |               |
|        | 3       | +5V     | RED        | 20    |                  |               |
|        | 4       | COM     | BLACK      | 20    |                  |               |
|        | 5       | +12V2   | YELLOW     | 20    |                  |               |

## Ordering Information

| Part Number   | Description                           |
|---------------|---------------------------------------|
| PS8-250ATX-ZE | 80 Plus 250W PS/2 Single Power Supply |